

Table 1A and B: illustrates data concerning the developmental competence of 59 different nuclear donor cell lines.

Table 1A: Incompetent cell lines.

Cell Line:	Pregnancy Initiation (%)	Full term calves	Number of ongoing pregnancies
BF101/65-c238-15	0	0	0
BF104/15-16	0	0	0
BF108-17	10	0	1
BF12n2-18	15.79	0	0
BF13n1-19	10.00	0	0
BF15-20	13.64	0	0
BF15-21	18.75	0	0
BF15-22	25.00	4	0
BF15-23	4.55	0	0
BF15-24	19.77	0	0
BF15-25	20.25	0	0
BF15-26	40.00	0	0
BF15-27	20.00	1	0
BF15-28	36.36	0	0
BF15-29	1.92	0	0
BF15-30	13.24	0	0
BF15-31	29.41	0	0
BF15n4-32	22.22	0	0
BF15n7-33	37.50	0	2
BF19-34	33.33	1	0
BF24/15-35	25.00	2	0
BF33/21-36	0.00	0	0
BF65-37	27.27	0	0
BF65-38	44.44	0	1
BF65-39	28.13	0	0
BF65c119-40	15.79	0	0
BF65c238-41	21.05	0	0
BF65c36-42	34.78	0	0
BFES-43	33.00	0	0
BF65c46-44	37.50	0	1
BF65c7-45	38.10	0	0
BF65c7-46	33.33	0	0
BF65c9-47	0.00	0	0
BF68-48	20.00	0	0
BF68n2-49	16.67	0	0
BF74c2-50	0.00	0	0
BF75-51	40.00	0	2
BF83/65c36-52	41.67	0	4
BF85c2-53	45.45	0	2
BF85c26-54	30.77	0	3
BF85c51-55	45.45	0	4
PGC-56	12.12	4	0
PGC-57	12.2	2	0
PGC-58	8.33	1	0

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Table 1B: Competent Cell Lines:

Cell Line ID	Pregnancy initiation (%)	#Full term calves	# Ongoing pregnancies (> 90 days)
BF12n7-1	50.00	11	
BF15-2	54.55	4	
BF15-3	58.8	4	
BF15-4	61.54	5	
BF21-5	62.5	1	
BF22/15-6	64.29	3	
BF25-7	68.75	5	
BF83/65-8	50.00	-	2
BF84/65-9	68.42	-	7
BF85c102-10	76.92	-	2
BF85c19-11	50.00	-	2
BF90/68-12	60.00	-	5
BF91/65c42-1	58.33	-	1

Table 2.

>'000127a-001.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-001.scf"(43>314)

AATTTGGCAGGAGACTCATTACGAAACCGGGCTGGAACCGCAGCTGTCGCGGATCTGAACGCGAGCT
GTTCTGTGGGTGCGCAGCTACCTTGCTGCGGACAGCTGAGGGAAAAAGGAAGATGGGGTCTTTTGTCT
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AAAGAGATGTTTCGACATTGCCCTGCGGGTTGTGGGGCCAAGCAAAGCATTCTGGCCGCAATGAAAA

>'000127a-002.scf' came from CONTIG 2 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-002.scf"(48>536)

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ATACTGGATTGACCCCAACCAAGGCTGCAACCTGGATGCCATTAAGGTCTTCTGCAACATGGAAACCG
GTGAGACCTGTGTATACCCCACTCAGCCCAGCGTGGCCCAAAAGAACTGTATATCAACAAGAACCCG
AAGGAAAAGAGCACGTCTGGGACGGCGAGAGCATGACCGGCGGATTCCAAGTCGAGTATTGCGGCAG
AGGTCCGATCCTGCCGATGTGGCCATCCAGCTGACTTTTCTGCGCCTGATGTGCACCGAGGCCTCTCAA
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CAGGCTCACGAATNG

>'000127a-003.scf' came from CONTIG 3 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-003.scf"(55>553)

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GACCAGAGGAAGTGCTTCAGCATCGACAACCCCGGCTATGAGCCCGAAGTAGTGGCCGTGCACCCCG
GTGGTGAGACAGTGGCCGTCGGGGCGCGGATGGAACGTCCGNCTCTACTCATCCTGGCACCACGCTGA
AGACGAGGNCAGCTCTGGAGCCAAGGCCCGGCGGACTGGCGTTTCCCACGACGCGCCTTCTGCTGGT
GCGACCCACAAGTGTCACGTCTCACGTTGCGACGCTATCGAGACACGTTTTATGACACACAAGATGTT
GCTGCCGTCTCGACACACATTGCTGGTGCTGAATATGGATGGTGACCTGAGACTAACAGTANATCAAT
GCACGTCCATGACATGCTGTGAAAC

>'000127a-004.scf' came from CONTIG 4 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-004.scf"(48>649)

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CCACCAGCATCTGGGGTCCACCCCCAGCTCCAGGGGTCCACCCCTCCAGCCCCAGGAGTCCACCCCTCC
TGCTCCGGGAGTCCACCCCTCCAGCCCCAGGGGTCCATCCTCCCCCATCTGCTGGCGTTACCCCCAGAC
ACCAGTGGTGCACCCACCAGCTCCTGCAGTTACCCCCNAGCTCGGGGGTGCACCCAACTCCTGCAGT
TCACCCCCANGCTCCAGGGNTCCACCCACCAGCTCCGGNGTCCACCCACCAGCCCCCTGGNATCCACCC
CAGCCTCTGGNGTCACCCNCTCTCTGNNGTCACTCCGCTCTGGGTCCATCCAGCACTGNGTGCACCC
TCAATCTGGTGCATTCCACACCTGCCCGTGCTGAGCCCCATACCTCGAGCCTGGACTTCTCCCTCCCA
CACTGAACACCCTACTCGTTGTTTGTGTTTGGTTGCCTAAAAATTTTGTGCTGGG

>'000127a-005.scf' came from CONTIG 5 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-005.scf"(53>543)

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CGGGCCCCCTGGCAAGGACGGAGCAAGTGGACACCCTGGTCCCATTGGACCACCGGGGCCCGGAGGT
AACAGAGGTGAAAGAGGATCTGAGGGTCCCCAGGCCACCCAGGACAACCAGGCCCTCCTGGACCTC
CTGGTGGCCCTGGTCCATGTTGTGGTGCTGGCGNGTTGCTGCCATTGCTGGTGTGGAGCCGAAAAA
GCTGGTGGGTTTGGCCCATATTATGGAGATGAACCGATAGATTTCAAATCACACCGATGAGATATGAC
CTCACTCAATCANGTCATGGACAAATAGAAGTCTCATTAGTCTGATGGTTTCCGTATAACNTGCACG
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TGATGCTTTTAGTCTAT

>'000127a-006.scf' came from CONTIG 6 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-006.scf"(47>578)

000127a-001.scf

CCCTNCGACGCAAGTGGCAAAGTAGCTGACCCTAAGCTGATGAATTGATTCTACGAGCCTCATGGNAG
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5 >'000127a-034.scf' came from CONTIG 30 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
034.scf"(47>553)
CTGCTTGGCAGTTTGATTTTAAATTGTGTTAGAACATAAGCTGTTTCAGAAAAATATGAAAAATGTAT
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GTAAAAATTGTATAACAAGTCACAAATGCCAGTTTTCTAAAACTTTTCAGATTTTCCCTTGATATG
10 AAGGTAAGGAACATATACAGGTATGGAGTATTTGACTGAAAACAGTGTAAGTTATGGTGGAGACACA
GACACAGAATTTTCAGAGATTTGCTAGTGGTAGGTACTGAANTGAATACCCNNAGTAGCTGTAATGTC
CCCTGAGACAGGTAGTCTTTTATACTAACACAGAGACTTTGTTGGNTCATTATAACACATGCGATGTN
GTAAATGTGNTCAGGGAGAAGNTAGGAAGTTGNATGATTTGGACAAGAGTTGAAAGGATATCATAGN
TAGAGGAGGNTGAAANTACTGNAAGTTGNT

15 >'000127a-035.scf' came from CONTIG 31 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
035.scf"(48>603)
CAGGTGGCACAGCCCGCCATCACCGACAACAAGGATGGCACTGTGACTGTGCGCTACGCCCCCAGTGA
AGCCGGCCTGCACGAGATGGATATCCGCTATGACAACATGCACATCCCAGGCAGCCCCCTACAGTTCT
20 ACGTGGATTATGTCAACTGTGGCCATGTACAGCCTATGGGCCAGGCCTACCCATGGGGTGGTGAAT
AAGCCCGCTATCTTCACCGTCAACACCAAGGATGCGGGCGAGGGGGGCTTGTCCTGGCCATTGNAGG
CCCCTNCAAGCAGAGATCAGCTGCACCGACAACCANGATGNGACGNGCAGNNGTCTCCTACTNGCCG
TGTTACCTGGNGACTACACATCCTGGNCAAGTACAACGACAGCATANCCGGGCAGCCCTTCACTGNCA
GGTCACAGNTGACGACTCCTGCGCATGTCCACTGAAGTGGGCTTGNCGNCGACTCCCATCACATCCGN
25 AGACGACTCACCTCTGACGCAAAGGNGCCCCCTCGGCGGNAAANCTGCTGTGNANCGGTGGCAGNCA
CAGGGATCTATCTC

>'000127a-036.scf' came from CONTIG 32 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
036.scf"(48>605)
30 CAAAATCCTCACCTGCAAATGAGAATGCTGGGTGGGCACAGAAGCACGTGAGAGAAGGCAGGNGTG
CGGAAGCCCACCTGGGGGCTGGGCTCCCCAGTCTGCGCACCTTCAGGCTGCTTAACTCAAGCTTGAGT
TTGTGGACCTGCTCAGTCTGCTCGACCACAACCTTTCATAGGTGATTGCTAAGAGGGTTTTTCTTAAA
AAGAAAAAAGAAATATTGTCAAAAATGGTTGTTGCACACCCTGTGAATTTTCTTCTTCC
AAATGGAGACTCATGTTTATGACTACTATTTAAAAAGACTCCATTTAAAGCACANTTTATGAAAACAA
35 ATAANTCCATGTTTAATGTATGTATACTTAATATCTTCTCTACAGTAGCTCAGTTATAGAGTGTTTTT
ATTACAATTATGTTTTGTCGGAGGAAACCGCCCAGAGAGNGATCGGGACAGGAGAGNTATGTTTGTTC
TAATTATTGAGTGGGCTTATACTTCGCTGGGTTCATGTTCTTGGTGACTACAATAATCTTCAACTAAA
AAATCATTAAG

40 >'000127a-037.scf' came from CONTIG 33 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
037.scf"(46>513)
CTGACGCTGAGCAGCGTGGTGAGATGGCTGTTAAGGATGCTCATGCCAAGCTGGCCGAGCTGGAGGCC
GCTCTGAGGAACGCCAAGCAGGACATGGCGCGGCAGCTGCGCGAGTACCAGGAGCTCATGAATGTGA
AGCTGGCCCTGGGACGTGGAGATTGCCACCTACAGGAAGCTGCTGGAGGGCGAGGAGCCGGCTGG
45 AGTCTGGGATGCAGAACATGAGTATCCACACCAAGACCACAGAGGCTACGCAGGTGGACTGACTTC
GTCCTACGGGACCCCTGGCTTCAACTACAGCCTGAGCCCCGGCTCCTTCAGCCCACCAGATCCAAGCC
TGTGGGTGTGAAGAAGAATGAGACCCGCGATAGGAAGACTGGGGTCGTGTTCTCTGATGTGCTGTGCT
AGTGTATGGGCTCTGCGGNGCCTTCCATCCTCTTCGCTTCATGCTTCTTGCGAGNAGCTGGCG

50 >'000127a-038.scf' came from CONTIG 34 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
038.scf"(1>498)
AGGGCGTTAATAGTCCGCAGATTGCAGTCAAACACCCGCTCACGACCGACCCTGTCTCCGCTCGCGCC
CATCTACACAAGGCCCGTGGAACAAGTTTCGAGGCTGGGGGTCCCCCTCCTGAAGGACAACGTCT
CCTACACGGGCAGGCCTTTGGTGCTGTATCACTGACTGAGAGCAGAGCCTCCTGAGAGCCTGAGCTCG
55 TCCTGCACTCCCACCCCATCCCNACCAGGCGGCCCGGCTCCTCCAGTGCAGATGGCACAGGGGGTGGA
CAGCTCTCCTCCAGTGCCCCGGGACCTGCACCCACCACGNNGCTGGAGCTGGGGCAGATGGNGACAGC

GACCCTGCGCACTGCAGGGATCTACGACTGTNCTGGGCTCAGGCTGGGCACTGGCCTTTGTNCAAGNA
TATTATAATCAGCTGTGCTCCCCAAAAAAAAAAAAAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAATGAGG
GGGCCGTACCCATCCCTAAGGTGTA

5 >'000127a-039.scf' came from CONTIG 35 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
039.scf"(54>514)
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GGCCTACATAAGATTTGGAAATTATCTGTCTATGGTGAGACCTGAAAGGAGTGATTTAGACAAGAAAC
AATGTTCCATTACGCAATATTCCCAAAAGGAACTTCACCCCTTCAAATGGTATATGGAACTGTTGCT
10 ATTTTCCTAAAATTTTAAAAATTTTCTAAATGACTGAGTGCTAAATACTGTTACTCAAGTTTAAATGC
CACCCTCAAGGAAAGAGAACTATNGAAGAAATAATTATTTAATATANTTGCAGTTGGGGGAGAAG
AAATAATACATTTAGNGTATTAATTCATATGCTAGGAAGTGCATCTAGAATTTATGGGATGTTGATGG
NAGAGTTGTGCTGGTACTGAAGATACAACTTTNTTTGTTTTATTTGGNGTA

15 >'000127a-040.scf' came from CONTIG 36 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
040.scf"(53>617)
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ACCATCAGAGCCACCTCCCACTGCTGACCCCTCCCTCAGCAGCCCTGTAACAAGTGCCTTGTAAGAA
AAGCGGGGGAAGTGGGAGCAGCCACGTTAGTCTCTGGAGGTAGGTTATCCCTGGGAGACTTGAAGGC
20 TGGGTTTGATTAAGAAAACCTCTTCCACCCCCCACTACTTCCGGACTAAGGAATTAGGGGAGCATC
CGTTCAGAAGCCTGAGAAGTTATCCTATGCTGATGGAGGAGCCATGCTGCTTCATCCTGCGTGAATGC
AGNTGGCTCTCCTTGCTGCTGNGATCACCCCAGCAGACCCATAGCCCCCAGCCTGGTGCTGGCTGCTC
CAGCCCACCATGGTACATGGCTCCCCATACATAGCTCATTCCCANCATGNNAGAAGCCNAGTGCNAG
NTCTGNGTATGTNATCACCAGCCTTGNCTGCTTCGGGCTCACAGCACGGAGGAACACCCGCTTCTCCA
25 CCTACTTGTTGATCTAAAAGA

>'000127a-041.scf' came from CONTIG 37 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
041.scf"(52>584)
GCACGAGGGCAGCAGCTGGGGGCCGGCAGTTGCCCTGGGGACCGCGGGCCCTCCCTCCTCCTCTCCC
30 CTGCCCCCTCGCGTACCCACCGAGGCGCGGCCGACTCCCCGGCCTCCCTGCCGCCGGCTCGGCGGAGC
CGCAGCGGCGCCCCGCGAGAGGCGGAGCCGCTCCCAAGATGTGCGCAGACGGCCATGTCCGAGACCTA
CGATTTTTTGTTTAAATTCTTGTTATTGGAAATGCAGGAACTGGCAAGTCTTGCTTGCTTCATCAGTTT
ATTGAAAAAAAAAATCANAGATGACTCANATCATAAATAGGAGTGGAATNTGGTTCAAAGATATAAA
TGNTGGNGGTNAATATGTAAAGNTACAGATATGGGACACAGCAGGCCAGAACGATTACAGGTCTGTGA
35 CAAGAGCTACTACGAGTGCAGCGGGCCTGCTGTCTACACATTACCAGCGAAAACATACATGCGCTACT
AATGNTTACAGATGCCGATGCTGCGAGCCAAACACGNCTCATCCCTGCGGAACACAAG

>'000127a-042.scf' came from CONTIG 38 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
042.scf"(48>516)
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AGGGAAGCCAGAGGCCAGGGACGCTGGTACAAAGTGTGGACTGCATGCCTACTATCTAGAACTTATC
AATGGATCTGGAACATCTATGGCCATTCTGATCACCTTGACCACCTTTGCGAGACCTACCTTGCTCATA
TCAAAGCCGTCCTTTTGGTCCATTGCCCTGGACCTGTGATAACTATGGACTAGTTCTCTCAGTTGT
45 GGCTGAATGTAAACGNGTACAATAAATCATCTNCTTTGCTGTCTTATCGGAAGAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTGAGGGGGCCGGNACCNATCGNCCTATG

>'000127a-043.scf' came from CONTIG 39 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
043.scf"(52>491)
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GCCTTCATCGCAGTGTGTGGGCTTGCTCTAATTGCAGCTCTCAGTCTTCTCTTGTTGGAGCACGGGCTCC
GGAGCGCATGGACTCAGTAGTTGCAGCTCGAACTCTTGTTGTCACAAGCTGGCTTAATTACCATGTG
CCATGTGGAATGTTAGCTCCCCACCACGGGTCTAACCCGCGCCTGCGTTGGAAGGCAGATTCTTAACC
ATTTGGCCACCATCGCAATATCANGGCCTGCCTCTGCTAACCACACTCCATACATCCCTTCTNCTCCG
55 CTCCNNCCTGCACGTATCTGTCTCTTGCTGCTGGATGCTGTTTCTAGTAGTTTCGTTTGGCCTGTGTTTTCC
ATCTCTTATGTTGTTGTTTGTCTCNNTC

>'000127a-044.scf' came from CONTIG 40 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-044.scf"(50>491)

5 GCACGAGGAGGCCTCGCTCTTTCTCGCGAACAAGCATCATGAGCTTCAACACCCAATCCACCTTCTCC
AACTACCGGTCCCTGGGCTCCGTGCAGTCGTCGGGCCACCGGTCCGACCGGTCCGAGCGCGGCCAG
CGTCTATGCAGGCGCCGGGGCTCGGGCTCCCGGATCTCCGTGTCCCGCACCAACAGCGTCCGAGCG
GCTGTGGGGTACGGGAACCTGCGCGCCGAGATGGCCGAAGGTCTGGTGGGTGTAGAGGGCATCCATG
ACGAAAAGGAGAACCATGCAAACTGAAATGACCGCTGTCCTCTACTAGAGAAGANNAGAGCTGCAT
10 GCGATATCGCAACTGCAGACAAATCCGGTACACTGTAGAGATGTACTCAGTCATTAATGGCGCATACT
GTATATATTTAGTCTGGGCTAATTTGATTTTTTGT

>'000127a-088.scf' came from CONTIG 40 at offset 24;"E:\SEQUENCE\export\EST_db\000127a\000127a-088.scf"(50>618)

15 TCGCGAACAAGCATCATGAGCTTCAGCACCCAATCCACCTTCTCCAACCTACCGGTCCCTGGGCTCCGTG
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CGGGCTCCCGGATCTCCGTGTCCCGCACCAACAGCGTCCGGGGCGGCTGGGGGTCCGGGAACCTGGGC
GCCGGGATGGCCGGGGGTCTGGTGGGTGTAGGGGGCATCCAGGGCGAGAAGGAGACCATGCAAGACC
TGAATGACCGCCTGGCCTCTACCTGGAGAANGTNGAGAGCCTGGAGGCGGATAACCGNAGACTGGA
20 GAGCAAAATCCGGGAACACCTGGAGAAGAAGAACCCAGTCAGAGACTGGGCGCATTACTGTAGATC
ATCGAGGACTGAGGCTCATATTTTGCAATTCTGGGACACGCCGCATCGTCTGCAGATGATATGNCCGT
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GTCATGTGACACATGTCACGCTGCGTGA

>'000127a-045.scf' came from CONTIG 41 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-045.scf"(52>359)

25 GCACGAGGCAATCTTTGCCATCCTAGCCGAGAGGGTATCAAGTCGACATCTGCAGGAGTCAGACACG
CTCGGGGCTACTGAGAAGCCTCCCAGACGCTTCATTTCTCTCTTGGGTTTACGGTAGGGCACGAAG
AGGGTGAGCTGAAAGGTTGTAGAAGCTCCAGTTGCTCGCCACCCTCCTGGACTGNAGAAACAGGNCCC
30 TTCCAGGGATTCTGAGCGGACTAGTGGAGCCGAGGNACTAAAGCGGCGGCGCGCTCCGNAATCC
CNNATCTGGGTCCANAATACACANCTANATNNGCTT

>'000127a-046.scf' came from CONTIG 42 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-046.scf"(48>562)

35 CGGCGGCGATTGTGGTGACTGAGCGGAGCCCAGCGACAGGATGGCTGGGCACAGATTGGTGTGGTA
TTAGGAGACCTGCACATCCCACATCGGCGCAACAGTTTGCCAGCTAAGTTCAAAAAGCTGCTGGTGCC
AGGGAAGATTTCAGCACATTCTCTGCACTGGAAACCTTTGCACCAAGAGAGTTATGACTATCTCAAGA
CTCTGGCTGGCGATGTCCATATTGTGAGAGGAGACTTCGATGAGAATCTGAATTATCCAGAGCAGAAA
GNTGTGACTGTTGGGCCAGTCANAATGCTCTGATCCATGGACATCAGTTATTCATGGNGAGATATGCC
40 CAGCTAGCCCTATTGCAAGCAGTNGATGGGACATTCTTATTCAGACATAACCATAATTTGTAGCATTGGC
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>'000127a-048.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-048.scf"(54>584)

45 GCACGAGGGTTGATAAGGCATCTACGTTTTAGAAGCTCTGGCCACTAGTCGTTAAGATGATGGCTCTG
ATGGCATTCTATGGATTATAACGAGTCATCTGTGAGAGAGAGTCACTCTGGACAGGCTTGTTACCCTG
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ACAGAGTAAACGTGGCTGCCGTTTCAAACTGTGGAAGGAAATGTGTGAGCGAATGAAGGATCTTAG
AATTCAAAGTAGAGGGAAGCCACCTTGCTACTGATTTTGATGTATATTCACAGCGTCCTTTTAAGAT
50 CTGNGAATGAGACTCTTCTAANCTCTATACTCTTGCACTCTAACGCAGATCACAGTCTTATATACTAT
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>'000127a-049.scf' came from CONTIG 44 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-049.scf"(53>599)

55

TGCGACTGCGCAGAGGATGGGGGACGGCTGGGCCTGGTCTTGCCGGGGCGGGCCGGGCCAGCCCCG
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>'000127a-056.scf' came from CONTIG 50 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
056.scf"(49>595)

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GTAATAAACCACAAAATAATGAACTGCATGTTTCATAACATACAAAAATTGCTGCCTACTCAGTAG
GTAACATAACATTCCAACCTGAATTATATTTATAAATTTACATTNTCAGTTTAAAAAATAGACTT
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CCTTGTCTTGTCTCCAAAGCCTCCCCCGATCACCCTCCCTTGCCCCCTTNAAGCTAGAGGTGAGCACA
TCCCTCACAATTGCACTGTCAGNCCGNGTCAGCAGGNCGCATCACACAAAGGCACCCAGAGTGNAAN
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>'000127a-057.scf' came from CONTIG 51 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
057.scf"(49>619)

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ACTGTATTAGTGACAGCGCCAGCATGTATGCTAGGAGCAGTGGGAGGAGGCCAGTAGAAAGCCTTG
TCATCTTTAGGGGTAGTGATGTGACTGCTATTTGGAGTGTCACTGAAAAGGAAAACTTTAGCATGCTC
ACTGATCTGCCTATAGCTCCAGCAACAGCTCGGATGTGCGTTCTCCAGCCATCATGAGGCTGAGTCAA
GTTTCGTCTCTAAGTCAGAACAGCAGATTCAGCTATGACATTCTGATTCAAGACATTGTTTCAGGAATCA
GAATTCTGTCTATTAGACTGGGACAGCTGNGGCAAGCTAAATTGCTGTNACAAGCCAGATTTTTTTTT
ATTGATACTGTAATATTGTGTGTATTATATATTGTACGNTATCTAAGTTATTAAGAGTGTGTGCTTT
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CAAGCAGATGAATCAATAATTGG

>'000127a-059.scf' came from CONTIG 52 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
059.scf"(50>595)

GCACGAGGCCGGTGTCCCCGCGCCAGAGACGCAGCAGCGCTCCCTCTGCCCACACCCACCGCGCCCTC
GCGCTCGCCTCTCCTTCCGGAGCCAGTCCGTGCTACCGCAGTCGCCCAGTCCACCACCACTCTGCGAG
CCATGTCCACCAGGTCCGTGTCTCGTCTCTACCGCAGGATGTTTCGGCGGCCCCCGGCACCGCAAGTC
GGCCGAGCTCCACCCGGAGCTACGTGACCACATCCACCCGCACCTACAGCCTGGGCAGCGCGCTGCGC
CCCACCACAGCCGCACCTCTACACCTCGTCCCCGGTGGNCGTGTACGCCACGCGCNTCTCGGNCGT
GCGCCTGCGAGCGGNCGTGCCCGCGTGGGNTGCTGCAGACTCGGTGGACTTCTCGTTGGCCGACGC
CATCACACCCGAGTCAAGACACCGCACAAAGAGAAGTGGAGCGCAGGACTCATGACGCTCGNCACTAC
TGACAGTGCCTTCGGACACAAACAGTCTGTGCTGAGTGGCACTCAGGCAAGCAGGCGCGGGGACTT
AA

>'000127a-060.scf' came from CONTIG 53 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
060.scf"(1>277)

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GAACTCTTACTCAAGTTTAAACATCACAGGGCTGACTACACTAGGGGGTTTTATTGCCTCTGTGCTTGT
TCTTAAATCTGTTTTGGACGATCGCTACGAATCACTATGTCAATCAGCAAGGTGAAGAACTAAGACAT
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GTT

>'000127a-061.scf' came from CONTIG 54 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
061.scf"(55>678)

GCACGAGGCTGTCACTTTGTAAAGCTTTCAATCAAAACCACCCTGAAAGCACAACAGCAGAATTCAAT
GATTCTGACTCTGGCATTTCCTGAACACAACAAGCTCCAAGCATGGCATCACCAGACCACTCAGTGG
AATCTTCCATCTATGGAGACACATTGCTTGGCTTCAAGTATTCTGAAATGGAAGAGATAGATAGTACC
CCTGGAATGTCAAACAGAAAGGGGCCAAAACACCGCCAGTGTGGCCTCCTGGGGACCCAGTCCAAC
CTTTGTGCTCATCACAGGGGAACAGCGCTGCAGCACGCGATTCCCAGAGTGAAAACGCACCAAAGAA
AGAGTACCTGTAAGTCCGGGTCATCGAAAAACGCCATTACATAAGACAAACATTACGCCGCTTGGAG
GCTCACCTCACAAGAAGAGAGCTACGGNNCAAAGCTCTCATATCCATTCTGTAGAAAGACATTACCT
CCAGTTGAGACTTCATGAATGAGTGCAGGAGCATTACAGAGCTCACTGCATAATTTAAACTACTAGAG

GGNAGATAAGGGCTGTCAAAATGCAAAAGAAACGGAATATAGGNACGGGCAGATTAATATTA
AAAAAGAAAAAGTCAAG

>'000127a-062.scf' came from CONTIG 55 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-062.scf"(47>628)

CTGACAGTGAGCCCGAGTCCGAGGTATTTGAAATCACGGACTTCACCACTGCCTCGGAATGGGAAAGG
TTTATTTCCAAAGTTGAAGAAGTTTTGAATGATTGGAAATTGATTGGAACTCTGTGGGAAAGCCACTT
GAAAAGGGTATATTTACTTCTGGGACATGGGAAGAGAAATCAGATGAGATCTCCTTTGCAGACTTCAA
GTTCTCAGTCACTCATCATTATCTTGTACAAGAATCCACTGATAAAGAAGCAAAGGATGAAGTACTAG
AAGATGTTATTTCCACAACCTATGCAAGAATTGCTGTGTATGAATAATGACTTTCCTCCCAGAGCACATT
GCCTGGNAAGATGGNATGGNACTCGAGAGNTNGGGNNGATAGCACCTGCTGCAACATGATGCTGTC
CTCATGAATCTAAGTGCATCTTCTCTGACTCTGTGTCTATGGCTTGGAAACACTGCTGNCAGNGCCACT
CTTGTGCAGATCTCACAATGGCGAGATGATGGGNNGAAGTCAGGNNCTGGGNNGACTGATTGAATG
GTCTCTCGAAAGGCCAATAGATACTATTTCAAGNCTGT

>'000127a-063.scf' came from CONTIG 56 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-063.scf"(48>639)

GAAGGATTTTCCAGTTAGTTTCTCCATGTTTGCCCGAAGCCCAAAAAGTCTCTGTCCAGTTCTTTGTTA
GGACAGTAAGACCCAGTGAAGCCCAAGTTAAGTGGAAAGGCCCTGAATAATTCCAGAAGACCCATTCTT
ATCCTTAAAAATCCTAGAGTGGTCAAGGGACAGAGTGATTGTTTCCGAAAAGAGTCCGAGGTATATGTG
TTAAATTTAGAAACATTATTTTGTGCTGCGAACTCTCATGATGTTGACCAGAAAGAAATCACTTGCATT
TTATACAGTGTCAAGTTTGGAAAGCTGATGAAGTTTCGCATTCTTTTATAGGAGGTCAAGAAAGGCACAN
NAATGCTGCTGCAGAAAGNGGNGGNGGNGTCAATNTGCCAGTTGTCTAGCTTGATTGCAGACGGTTCT
GTTNAGTGTTATGGNCGTGTATGTATCACTCATTTCATGGTTGATGAGTAAATATGATGAAATGNCTGA
NACTGAGGCTGGNATATACAAATGCAGCTGACCTATCTCAAGACTACGTCAGCAGGTAGCAACTAACA
TATCTAGAGTATATTTGTAATTGATATGAACAGAATTACGAGTGGG

>'000127a-064.scf' came from CONTIG 57 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-064.scf"(50>649)

TTCCAGTCTGTTTCCACCTACAGAGTCCCAACGTGGTTATTGCAGGCAACGTTCCCTCTCTCCGTGGT
CTAGAAGCCCCTCCCCAAGGTAGAAAGAAGGGAAGAAGCTAACTCCAGTGTTTCCGTTGCACTGATC
CCCAATTCAGTCCAGGAGGGGGCTTGGTAACCCCTCTCCCTCAATATCCTGGCACCTTGGGCTTGTGAA
CGCCTCCTAGCCAAATCACTAGAGTACAGTGACCCAGCCTCCTGCCTGTCCCGAGTGAGCCCTCCCC
ACCCTGACCGTGCTAACTGTGTGTACATATATATTCTACATATATGTATATTAAACCCGCACTGCCATG
TGTACCCTTTTCTGTGGTGTCTAGCATTAACTTATTGTCTAGGCCGGGCGGGGTGGNAGGNAAATGCCA
CAGTGAGGGNGTGGCAGAGTCAATTGCTATATATCGAAAAGAAAACCTTTTAACTTTNATTCACATGC
ATCTCAGAGATATTANAAGTTAGGAGGGGGAGTTTGGAGTGGGAAAACTTAGGGAGGAGCTGCTGT
GNAGAAGAACAATGCTGGAGACCTTCACCAGCACCGCCTTGCCTGTGGCA

>'000127a-066.scf' came from CONTIG 58 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-066.scf"(53>292)

GCACGAGGCCGGTCTCCGCGCGGGTCTGGGTCGCGGAACCCGGTGGCTGCTGTGCGGGCGTCATGTCA
GACAACGAGGACAATTTTGATGGAGACGACTTTGATGACGGGAGGAGGATGAAGGGCTCGATGACTT
GGAAATGCCGAGGAGGAGGGCCAGGATAACGTTGAGATTCTCCCCTTTGGAGAGCGACCGCGAGCCA
ACCANAAACCAATCACACACCATATATGACCACTATGA

>'000127a-068.scf' came from CONTIG 59 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-068.scf"(49>600)

GCTCTTCTTTGTTTCCAGCTACAACCTGCAGAGCCATCACATCCCAGGAACATTTAGGCAAAATATAA
AGGTGTGTGTCTAAATATGTCTTTGAAGAAGCACTTCCTCCTTCCTCAGTGCTTCTGTCCCACTTGGCT
TCTGCTTGGCCACCTGGGGCTGCCGCAAAGCAGGTTAGTCCTTTCTGGCCCTGGCTGTTGAGTGTTTTG
TGTCAAAAAGTGTTTAAAGGCGCAGTGGAAGTTAAAGAAGTCTAAGACACAGTCCTTGTCTTAAAAA
GATCACCGGCAGGNTAAAANTACAGTGCTAAAATATAAGCGTATACCTGAGAAATCATTCATGTTTCAG
CTGTTATTGGAGTGTCTGCTAGGTGCAGACTGTAGGGTGAATTATAATAAAGAATAGACTGNTGCT
CCTCAGCAGTTCTGTCTCTCAGAGGTATCGAGTATATATCAGATAGGAATATTGGAGCCCTGCATGCCT

>'000127a-075.scf' came from CONTIG 65 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-075.scf"(55>670)

GCACGAGGGGTATCTGCTCACGCCATGAACAACTCTGGCCCCACCGCCCAGATCATTGAGCGGGAGGG
CTGGAAGACCAACATGGACTTTGTTGGGCATCGGAAAGCTGTGACTGTCGTGAAATTCAACCCTAAAA
TCTTCAAGAAGAAGCAGAAGAATGGCAGCTCCGCGAAGCCCAGCTGCCATACTGCTGCTGCGCCGTC
GGCAGCAAGGACCGCTCGCTGTCCGTCTGGCTCACGTGCCTGAAACGGCCTTTGGTGGTCATCCACGA
GCTGTTTGACAAATCCATCATGGACATCTCCTGGACCCTGAATGGGCTGNGCATCCTGGTATGCTCCAT
GGACGGCTCCGTGGCCTTTCTGGACTTCTCCTAGACGAGCTGGGAGAACCCTGAGCGAGGANAGTAG
AGCCGCATCCACCATCCACTACGGCAGAGCTGGCCTCATGACGAGCCCACTGTCACGCTGTCATGAGA
CCAGAAGCTGAGTACAGGCAGCGCACAGTGGACGCAGGNCAGNCAGGACGCGACCGGNCAGAAA
CGCTCGTCTCTTCGCGGGGTACAGGGGAGCTGAAATAGAACTTGATAAAGAGGAGGACGAACGGGGG
AAAACC

>'000127a-076.scf' came from CONTIG 66 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-076.scf"(50>518)

TGGAGTTCTCCACCCACGCCGGTTCTGGCCTGCCATTGACGACGGGCTGCGGCGGGCTGCCTATGAG
CGGGGCGTCAAGGTACGCCTGCTGATCAGCTGCTGGGGACACTCTGACCCCTCAATGCGGGCCTTCCT
GCTCTCCCTGGCTGCCCTGCGTGACAACCACACCCACTCCGACATCCAGGTGAAACTCTTTGTGGTCCC
TGCGGACGATGCCCAGGCCCGAATCCCTTATGCCCGCGTCAACCATAACAAGTACATGGTGACTGAAC
GGGCCACCTACATCGGAACCTCCAACTGGTCTGGCAGCTACTTCACCGAGACGGCAGGCACCTCGCTG
CTGGTGACACAGAACGGNCGNNGTGGCCTGCGAAGCCAGCTGAGGNCCGTGTTCCGGGNTCTCCCATC
CCTGTCCCTGTGCCNCCGCTCTGTTGACCCGNTGTGATCANAGGCTCCTNTCGCAACC

>'000127a-077.scf' came from CONTIG 67 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-077.scf"(55>522)

GCACGAGGAGTGTCTTTTCGAGGTTCTGTTGGTGCAGGACCATGTGTGCAGTGCTGGGGCTCGTGCCCCG
GCAGGAGGACTCTGGACTCCGGGATCACCGTGTGAGGGTCTCATTTCCAACCACGTGACACCTTTTCG
ACCAACAACATAGTCAACTTGCTCACCAGCTGTAGCACCCCTCTACTCAATAGTCCCCCAAGCTTTGTGT
GCTGGTCTCGNGCTTTATGGAGATGGATGGTACAGGGCGAGNTGGTGGAGTCACTCAAGAGATTCTGT
GCTTCAACAAGGCTTCCCCCTACCCCTCTGCTGCTATTCCCCGAGGAAGAAGCCACCAATGGCCGGGA
GGNNGCTCTGCGCTTCANTTCTGCGCATTTTCTATTTCATGATGTGGTACAGCCTCTTTACTGNCGAGT
NCAGAGACCTCTTGCTCTCGTGACGGTGTGATGCATCTGGGTCTANAATGCTGGTNT

>'000127a-078.scf' came from CONTIG 68 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-078.scf"(1>349)

CCCCGGGCGGCGTTAACTAGGTCCCGGCTGAGCGGGCGGGCATCCCAGAGGCCAATTTGCTGACCCCTG
GCCCAGAAGGCAGTGAGCTGGCCTCGCTGCAGAACACAAAGGATGCCAGTGGCTCTGAGGAGAAGA
GAAAAAGTGTGTTGGCTTCAACTACCAAGTGTGGGGTGGGAGTTTCTGAGCCTGCCTTANCCAAGCG
AGCACGAGAGGACAGCGGGATGGTACCCCTCATCATCCAATGTCTGTGCTGTGCGGGCAGTGGACC
CACTGANGCAGCTCAGCTGNAGGTGTGATGAGATGAAAAGGTNCCGACAGCACCTGCTGACACAACC
GTCATCATTTG

>'000127a-080.scf' came from CONTIG 69 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-080.scf"(22>530)

TTACCATGGATCCTCCGACTGCATGCAAGCTGAGTGTCTTCCCTTGCCGTCCCCGCTCGTACAGTCTC
GCTCATCTCGTTGCCGCCAGTCCCCGCGCCCCCGTACGAGCATCCGGCCCCCGTAGCGGACG
CCATGCTGCGGGCACGCCCCGTGCTTTGGGTGTGGTTTACCAGCACTGACGTTGTTCCGCGGTCCG
CGGTGGTTCGAGCTGGGGCGGGCAGATGGGCGCGGCCAGTGGTGGCTGCGAGCCGTGCGATGC
GCGTGCGTTGCCAGTGCAGCGCTGCGCGAGGTGAGCCTGCGACGCCATCCGAGGGTGTGTTCCGGCTC
GGATGCTGTCTACGAGCGCGCTGCGCGAGGTGAGCCTGCGACGCCATCCGAGGGTGTGTTCCGGCTC
GTTGTCGTCGCGCTGTGATCGCGCCCGTTACAGGTTGTGGTGGCGGGGCTCGGCCATGCGCGCGTGTGC
GCTGCCTTACCGTTCTGTCGGTAGGATGCGTGG

>'000127a-081.scf' came from CONTIG 70 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-081.scf"(47>636)

AATTGGCCCGAGGCGGATCGCCCCCTCGACTGCAGTCTTTTTGCATCCGAGAGACCATGGTGGGCTCCC
 CGCGCGCCCCACTGCTCCTGCTGGCATCCCTGATCGTCGCCCTGGCCCTGGCCCTGGCCGTGAGCCCCG
 CGGCAGCGCAGGGCCCTAGGAAGGGTCGCCTGCTGNGCGGCCTGATGGAGGCGGACGTCAATGAGGA
 GGGCGTGCAGGAGGCGCTGTCCTTTGCGGTCAGCGAGTTCAACAAGCGGAGCAACGACGCTTACCAG
 5 AGCCGCGTGGTGC GCGTGGTGC GCGCCCCGCAAGCAGGTCTGTGTAAGGATGAACTATTTCTTGACGG
 GNAGCTTGGCCGGACTACATGTACCAAGNNCCCAGCCATCTATACAGCTGTCCTTTNCATACCAGCCG
 CACCTGAGAGGGAAAGCTGTGCTCTTNCAGTNTACGNCGNCCATGGATGACACATCANCTGNTGAANT
 NAGCTGCAGNATAACAGCAGCCACTGACCGCTTCTATCTGCTCTGCGAAGCCCACTGGNGGNNGATGC
 TATGGCGGCCTCCCATGCGCCTGCAACAGCTCTGGCATGNTGATTGC
 10
 >'000127a-084.scf' came from CONTIG 71 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
 084.scf"(49>316)
 TTTAGGAGCCAAGGCAATTCAGCTGAACAGTAACAGTGTTCAGCTTTGCTACTTAAGGGAGCAGCGC
 TTA AAAACATGGGCAGAGTCCAGGAAGCAATAATACTTTTCGGGAGGCTATACGTCTTGCGCCTTGT
 15 CGCTTATATTGTTATGAAGGTCTCATTGAATGTTACTTATCCTCCAACAATATTCGTGAAGCACTGGTT
 ATGGGCTATCATTGTTACTAACTCTTAGAGCAAATGCACAAACCTTTTACCTTTACCACCGC
 >'000127a-085.scf' came from CONTIG 72 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
 085.scf"(49>427)
 20 TGAGAGTGAAACTGCAGCCGGCGTCCAGCTCTAAGCTTCCTGCTTTTCAGTCCTTTGACGCCTCCAGCTG
 TGATCTCTCAGATGCTGCTGCTGGACAATCCACACAAAGAGCCCATCCGGTTACGGTATAAGCTGACA
 TTCAACCAGGGTGGACAGCCTTTCAGCGAAGTAGGAGAAGTGAAAGACTTTCGGACCTGACAGTCTT
 GGGTGCAGCCTGACTCCTCCCATGACAGAGCTTGCCGTTACGCTTATGCTAATGTTCTTTTGCTGTC
 TAGATAGGACTGATCATGGTGATTTAGTGCAGAGTGCCAAGAGTTCTGTCCTGACATCNAGCTCTGGA
 25 TGCCAGCCTCCGACTTATTTGCANAGTGTGTTGTGGT
 >'000127a-086.scf' came from CONTIG 73 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
 086.scf"(49>664)
 30 TTTTTTTTTAAAAAAGATTACAGAAAACACTTTACTGAAATTCTTCTTTTGCTAAAAAGACAGTCGTT
 AAGGATCTGAGAGACAGCAAGCACAAACACAGTACAAAAGGAGAAGGGAATGTTGAATTCAGTGCAA
 GACACTAACACAGCACAATTAGGGAACCAGGCGGAAGCAACCATTTTCAAAAGAATGGAATTAGGCA
 TTTATACTTAATCAGGATTTTTTTAAGCTTTAAAAGTCCAGCATAAAGAAGGGAATTTGNGAAGAGTGG
 ATGGNGACAGGGGCTAAGCTTATCTACAATCACCATTTTACCAAAAAACACACTGGCTCAACCACGTG
 AGAAGNGGAGGNTAAACCTGCCTACAGAGGCCAGCAATAGAGCAAATGCCTAGGCAGTCACATTTT
 35 TAGGTGTCGATGTCACATTGGCTGTACATGTTAAGGGACTTGATTACCAGACTGGCTCCATCACCTG
 GCTACGAAGTTGAGTTCTTGCTGCTCAGAGNCAAGCTTACTGNAGAGTCATCAATAGCTAGTGCTG
 TTTACGNTGGGNCAAGGCTCTATAACTCACTTCTAGGAGTTTAGATACAGATTAATCAGCACCTAGA
 GGAAA
 40 >'000127a-087.scf' came from CONTIG 74 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
 087.scf"(50>630)
 CTACAACCACCTCTACCTCCAAGGCAATAGGATCAATGAGTTCTCCATCAGCAGCTTCTGCACCGTGGT
 GGATGTCATGAACTTCTCCAAGCTGCAGGTGCTGCGCCTGGATGGCAACGAGATCAAGCGCAGCGCCA
 TGCCCGCTGACGCGCCCCCTCTGCCTGCGCCTGGCTAGCCTCATCGAGATCTGAGCGCCACTGGGCGCA
 45 GGGCCATGCCCCCAGCCTCTTTGCATTTGGCTTGATGGTTTGGTTTGGCTTTTGATGGAAGGTCTGNG
 ACAGACCGCGTGACAGAAGNCCATGGGCTCTCTCTAGTCTTCTTCCCTGTAGGCAGNTNTAGGGGN
 AGNCAGGGAGACAGCAGCNTTCTGCTGAAGGACATGACACGTCCGTTTCCAAGACAGAAGTGTTGG
 CAGAAGGTNGTAACCTGAAGNCCAGNCCCCGAACTCATACCCTCAGTCTCACAGGATCAGGGNCT
 GACATGNCTGAGCATAATACTGGCTTTGAGTATGCTGATTGAAGCAGACTGACGCTCCCGGGCGGCTG
 50 GCGGCGAACTTGGCCCNAGTGTGTTAATTACCTTGC
 >'000127a-089.scf' came from CONTIG 75 at offset 0;"E:\SEQUENCE\export\EST_db\000127a\000127a-
 089.scf"(55>387)
 GCACGAGGCCCTGTACACATATCCTGAAAACCTGGAGGGCCTTCAAGGCCCTCATTGCCGCTCAGTACA
 55 GCGGGGCTCAGGTCCGCGTGTCTCCGCACCACCCCACTTCCATTTTGGCCAAACCAACCGCACCCCC
 GAATTTCTCCGTAAATTTCTGCTGGCAAGGTTCCAGCCTTTGAGGGTGACGATGGATTCTGTGTGTTG

GGACCTGGAGTGCTCAGACTGCCANAGAAGCTTTACCATCTGGCATCCCTGGGGCCCCGGGCACATTCC
CCTCTTGTTTTGAGGGAAGCATGCCAGGGGGACACTGGCCCTTCATCACAGNTGGAGGAANGCAGAA
GGGNNCAGANG

5 >'000128a-010.scf' came from CONTIG 9 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
010.scf"(316>320)
TTGAA

10 >'000128a-012.scf' came from CONTIG 10 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
012.scf"(43>539)
TCTCAACTCCATGATTTGTGGAGAGAAGGAACGAATCTTTGATGGGAAAAACAGAGAAAAATCCCTCT
TTTTTCCCCCCCATTCTTATAAAATCTTCCTTTTCATCAGTTTTTTATAAAAGTTGCTTTTTTTCATTTGCAA
GTTGTACAGTTTACCACTACTGCTGCTGCTACTGCTAAGACGCTTCAGTCGAGTCCGACTCTGTGCGAC
CCCATAGACGGCAGCCACCAGGCTCCCCTGTCCCCGGGACTCTAGGCATTTAGAAATNTTTTTATCT
15 GTGAGGTATTATAAGTCATTAATACTATTCCCTTTCGATAATAGATGTAAGCAACTATTAATAATATTAGT
TAGTCACAGATTTGACTGAAAATCTCTTACAAGAAGAGGAACAGAAATAANGAGCAGNTNGAATGGN
GCTGNNACATGGAAACATCAAGAAAGGNGACACACTGTTTTTTTTTCTATCTCTATGTTTAATTTAGN
AAAACAACNTTGATG

20 >'000128a-017.scf' came from CONTIG 11 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
017.scf"(100>532)
AGGAAGGTCGGGGCTGGGGGGGGGAAGGCGCGGGGTGGGGGGGGGAGGAGGGGAAGGGGAGGGG
GGGGGGGGCGAGGAGGGGAGGGGGGGGAAAAGGGGGAGGGGAAGGGAAAGAAAGGAGGGGGGAGA
AGAAAAGAAAAGAGAAAGGGGGGGAATTTGAGAAGGAGGGGAAAAAAGGGGAAAAGGGAAAAAA
25 GGGACAAAGGAAAAGGGGGGGGGGGCGAAAAAAGGGAAGGGGCCGAACGAAGGAGGAAAA
AACAAAAGGGGAATTAAGCAGAGAGGGAAGGGGGGACTACGGGACAAAGTTGGGAATGAAGGAA
CAACGACCAAAAGACGCGCCCCAGGGGCGGGAAAAAACAACGAGATACCGAACGGGAAAGG
AAAAAAGATACGATTAAAAACCCCCCCCCCAATACGGGAA

30 >'000128a-018.scf' came from CONTIG 12 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
018.scf"(60>253)
AAATATTAAGAACGTAAGAAAAGCTCACTATATAGAAAATGCTATACCCGGAACAAAACAATGGGGC
AAATGCTGGTGGAGGAGACAAAAGGGAAAAGCAAAGGCAAAATGGCAGGGAGGAAGGGAGAGGAA
AAGAAACCGGAAGGGCGGGAAAGGCAGGGAGAACACCGCGGGTGAAGGGCGGGATAGAGATG

35 >'000128a-019.scf' came from CONTIG 13 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
019.scf"(99>348)
AATAAGAAATAGGCTCCTTGTAAGTCTTTATGAAAACGGAAACTTAGAGGGTAAGAGGACTGGTGGG
GAATACAAGTTGGTTGGGATTAAGAGATGATGAGCAGGAGAAAGAAAAATTATGACCATATATGGAA
40 TGGAGGAAGAGGAGGGAATATGGGAGAAAGAAAAGGGAAAGGGACGGACGGCGGCTTTGAGGGAAAG
AAACGCGGTCTTCCAAGAAATAGAATAAAAGAAAAAGAAAGAGGAGGGGGG

>'000128a-020.scf' came from CONTIG 14 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
020.scf"(1>365)
45 AGGGGGGTTAATAGACCCGCGCGGGGCGGCGCTGATACACCACCTGGGGGAACCCTTCCGCGCAGA
GAAAAGACCTGGACCCAGGCAAGAGGGACAGAGACATCCAGCCGAAGAAGGGCGCCTGAGAAAAACA
TATATGGGAACGACAAAAGAGACACTATGAGGCAAAGGGCCTGGGGATCCATTGTAGGAGGGATCCA
AAGCCAATGCCTCAGCGCGGAAGAACCTGGCCTTGGAACCAAAGGCCACACACCGCGAAGGAGCCAA
CAAAAAGGGGAGGGGGCCTCTTGGAACGAAAAGGCTGCCCGAAAAAATAATTGAATTGGGGGGGA
50 AAAATGCAAAAAACCTAAGGGGGTTGGCCGC

>'000128a-021.scf' came from CONTIG 15 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
021.scf"(3>262)
GCGTGGGCGTTTAACTCGGTCCCGTCTCGCGTTCCGGCCTTTGATATCTTTCATCTTCGTTGGGTAAACCG
55 ATCTCGCGCAGACTGAAAATACCCTGGGGCACCTATGGCCACAAGCTTGGTGACCCAAACGCTACCA

CTCGCCAGTTGCCGGACATGATATGTGCGCCTGTGAGATTAGAGAGATAAGGGGAAGTGAGAGAGAG
AGAAGAAGAGGGGGGGGGGGAGGGGGGGGGGGTTTTGGGGGGGGGGGAGGGGG

>'000128a-022.scf' came from CONTIG 16 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
022.scf"(411>415)
CAGAA

>'000128a-023.scf' came from CONTIG 17 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
023.scf"(336>462)
GGGGCGCGCGGGCTCTGGTGGGCCGGGAGGAGGGGGTAGGGGGGCACGGGGGGGGGGAGCTTTGGC
AGGATAGAGGCCCAAAAGGAGAGGGAACCCGCCGCCCGGGGGGGGCAGGGCCTGGGCGG

>'000128a-024.scf' came from CONTIG 18 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
024.scf"(29>467)
GGCTGTGTGGACTTACAGGACTCTGAGGGCGCTCCTCATGAATGAAAATTAAGCAACACGGAGGGAA
GGGAAAGCGCACCACCTTCATATACTTAAACAGTTGTGAGCAACCTGGCTAGCCTGGCTGGCGCTATG
AGACGGGAGCTGGGCACGAAGAGCCACTGGTTCGTAAGAAAAGGAAGTCGGGGAGTTTGTAGGCGCAA
AAAAAAGCCCCGAGCCCCCGACCGTCAAGCCAAATGGGGCCTGGGGACCAGGGGACCAAGGGAC
GACCAGCGGGACAGGGCCAGAGGAACGTAAGAAAGGGCAACGCAAAGGGCAAGGCCGCCACCGCTA
AACCACACCGCACGCCGCCCAATAAAACATGGGGTAAAGCGCGCCTTTTGTCCCCGCCCCCCCCCTCAT
TTTCTGGGGGTCTGGTATTTGTAAATTAATAAAATTTT

>'000128a-025.scf' came from CONTIG 19 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
025.scf"(1>247)
CACGGGTGCCCTTTAATATGGTCCCCGGGCTGCTGCTGATTTCTTTTCTTTTGGTAGGCTGATGCACT
TTGTTTTGCCAGTCAATGGCAAGATAAACTAAGTGAGAAAGAATGCAAGGGATAAAAAAATTTGC
ATAGGGCATGTGAAAATGTCTCCATTTTGGTTGTTGGGGTTAAGATGGGGTGGTGTGGGGTGAAGTA
GGGGATGGGGTTGAGGGGAGGAGGCAGGTGGTGAAGGGGAGG

>'000128a-026.scf' came from CONTIG 20 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
026.scf"(1>587)
CAGGGGCGTCGTTTACTTTGATTCCCGGCTGCGGAATTCGCACGAGATTGATCTACCAGCTCCAATTAA
AACTGCAGGCATAAGCCCCAAAATGTGACTAATAAAAGCCCTCAGGCATGTAATTAATATATCCAG
TGCTTTTTTGTAGTTTAAATATCAAGATTGAATCTGTTATGTAGAGGCACCAAAATGAATGTCATGCTGG
NAGTCTGTATGCATGACTCAAATATACCTAATAACAATGTCAGAGNTGTATAAGCCAGCAGAATTTATT
TTATAGCAATTCAGTATCTGTTTACCTACAGGNTCGGGGTTGGGGAGTATATTATGAAGAATCAGATT
AGAAGTACTACTAAGAGACTATGGATCCACTATTAGCCACTCAATATAGACCACGCTAGACCCNAGA
GAGCTATACAAAACAAAATCTATTCNCCCTACTTATTTAAGTCTCCTTTATACATACCAGGCCTACTGC
TAGACGAAAGTGAGGGGCTGGGAGGCACACTGACTCCCTTCCTGCCAGCATAGGAATAAGAGTCA
AAGAGAGATACTCACACCTTTCCCCTTCGGGCTAAAGCGCG

>'000128a-027.scf' came from CONTIG 21 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
027.scf"(40>80)
CGCTGCATGGCACATGCCGCCACAATGCCACACTATACCAT

>'000128a-028.scf' came from CONTIG 22 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
028.scf"(1>525)
CACGGGGGGCGTCTAACTAGGGATCCCCGGCTCAGAACTGCACGAGTAGAACAACACACGTTA
ATACTGCTGTGTGATATGAAGCCATAGATCTTCTACTATGCTTGGATACGACCTACGCCAGTGCAGA
GTCGGGGGTGCGTGCTTACAGACCAGATGATGTATGATTTGCGCTGGAGCATGCGAGAAGATAAATAA
CTACCCTAGCGGAAGAGGCTCTATAGCATAAGTATGCGAGAACATGCGGACCAGTTCTGAAGTAGA
ATAAGAGCATGCTGGAGCTGTTCTTGCACTGGACACAGTGAAAGACACATAGGCTGACAACAGATGT
GCATGACAGATGAGAGACGACTACCGAGGAAGACACAAAAATAAGGAAAGGGCGCAGAAAGTGA
GCACTCAGAGGTAAGTGGCGACATGGGACTTGGCAATCAGCGCAGGAGACGGGCCTACTCACGCTGG
CTTTTGACACCTAATTGAGAAAGGAGCGAGGGCGACTGGGGGTGGGGGTGTGTG

ATCTCATACATAGGATTTCCCTACAATCTGATCACAGGAGCTGAAACGACAGGANGGNAGTGATGCTG
GTAGACCATG

>'000128a-050.scf' came from CONTIG 41 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
050.scf"(8>563)

GCGTTAACTAGGGTCCCCGGCGCGGGGTCTGCTTGCTTACAGGCTGGACGGACAGACCCAGGACGCCC
CTTGCTCCAGCCTCCGACCACCTTCAACCTTTTTTCCAGTCGCAACCTTCGGAGTCAGCCACTCAGCT
GTCCGCGATCACCGGGACCAGCCACCATTTTTTAATCTCTTATTATTACCGACCAATCATGAGCTGCCA
GATTCGTCAGAATTATTTCTACGAGGTGGTAGGCGNNCGTCACCGCCTGGTTAACATGCATCTGCNNN
NCTCTACACCTACCTCTCTCTGGGCTTCTATTTTCGACGCGACGATGTGGCCTGGAGGGTGGGGGTCACT
TTTTCGCGAATGGNCCAGAGAAGCGCGAGGCCGGAACGCTCTTGAAACTGCAAACCAGCGGGCGGCC
GGCCCTCTCTGGGAGGNCAAAACCATCTAGAGANGGGGTAAACCAGACCTAGGAGCCGCTCTCGAN
AGAAAAGTGANCTNTGGACGCAGGCTGGCTTGCCCGGAACCAATTGGACTCTGAAACATCTAATG
GAAGAANCAAA

>'000128a-051.scf' came from CONTIG 42 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
051.scf"(1>671)

CCACCGTGTGGCGCCGCTCTATACTATGGATCCCCGGGGCTGCAGGCTTCAGTGGCAGCCAGTGCAGGG
GGTCAGGGATCATGGGGGAGAGCGCTCTGGAGTCGGGGCCTGCGCCCGAGCGCCGGCAGGGGGTCC
GGTGACGCCGTACGGTGGCCACCCTGCTGGAGAAGCTGGCCACCATGCTGGAGACGCTGCGCGAG
CGGCAGGGGGGCTGACTCAGATGCAGGGCGGGCTGGCGGGCTCCGTGCGCCGCATCCAGAGCAACC
TGGGCGCGCTGAGACGCAGCCACGATACCACAGTTTTACGCTGGCGCAGCTGCTGGCCAAGGCGGA
GCGCGTGGGCTCGCACGCGGATGCCGACCAGAACGCGCCGTGCGCCGCGCGCCAGAGCAGAGCTGG
AGACACCACGACTGTGGTGCAGCGCGGTAGTCCACGTCTGCCTTAAGAGAAGCTGAATCCCACCAGCCT
TCANAAGCGCGGACCCTAGCCCGGGAAGTGGCCAACTGCCGACCGACGAAAAGTCAACAGAGAGCCG
GGAGCAGCCGAGCGAGGACCGGTGAGAAGACAAGTGCAGCCCTCAGCCAAGGCGCGCCACACAGCGT
AGCCCCGCTGGCGCGAGNTGGCCGAGACACCTGGGCACGACAACCCCAACGGGACGGACGGGCGAG

>'000128a-052.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
052.scf"(44>569)

AATTGGCACGAGCTCAGGGCACCAACGACTCACTGATGAGGCAGATGAGGGAGCTAGAGGACCGCTT
TGCTAGTGAGGCCAGCGGCTACCAGGACAACATTGCCCGCTGGAGGAGGAGATCCGACACCTCAAG
GATGAGATGGCCCGCCACCTGCGCGAGTACCAGGACCTGCTCAATGTGAAGATGGCGCTGGCACGTGC
AGATTGCCACCTACCGGAAGCTGCTGGAGGGCGAGGAGAGCCGGATCAACCTNNNNNATCAGACCTT
CTCTGCCCTCAACTTCGAGAAACAAGCCNCGACAGAGGGGGTCTGAAATCATACCAGAAGACGNGAT
GATCAAGACATGAGACCGGNAGGNNAGTTCGGAGTGAGGCAACACAGAGATGAGTGCTCTAAGCAG
AGTTTTTGCTGCAANACGGCTCACTTGTCTACTGCTTAAGCANNCTCTCTTCAGCACACCCACCATGT
TCCTCAACTTGACTGTTTCGGACCTTTGTCCCAGGAAAGACACTCAGCAGTACCC

>'000128a-053.scf' came from CONTIG 44 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
053.scf"(43>620)

ATTTTCGCACGAGGGGAAGGTTTTCTGGCAGGTTGATTTTCAGTCAGCATGTTCGGCTTCAATGAAGGA
ATGCCTTCAGCTTCAGCTGCTGGAGATGGAATGCTGTTTTCTATGTTTCCTAACCAAGGAGAAGTAAA
ACTTGAAGATGTCAATGCCCTGACGAACATAAAGAGATACTTGGACGGCATAAGGGAGGCCTTGCCA
CCAAAAATCGAATTTGTGATCACCTGCAGATCGAGGAGCCCAAGGTGAAAATTTTCTTGCAAGTAAC
CATGCCTCACAGCTACCCCTATGTAGCACTACAGATGTGTGCACGGTCTGCAGAACTTGACAGACAGC
AGCAGCTGCTTCTCAACAAAGGCCTCACTTCTACATCGGGACTGTTGATCCCAGGGAGCTCTGTGTGT
GCGCGGCATNCAGAGTTACAGACAACAGGCCTCTACTTCTGACAGAAGCTGTGGACGAACATGAAC
AGCAAGCCATCAGAACACTCTNCGATGTGACTACGCACATATTTTCAGAGACCTCGAAAGACTGAGNCG
GAAGTNGACGACGAATTGAGAAGAAGCGGATACG

>'000128a-054.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
054.scf"(39>53)
GGTCTGCAGTTGCTC

>'000128a-055.scf' came from CONTIG 46 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-055.scf"(10>290)
CGTTAACTGGGTCCCCGGGCTCAGTTCCGCCCCCGCCCCACGCGCCCAAAAGGCTGGAGCCTCATCGC
TCCATGTGTGGTATTTGGGGCTCTTTGGGGGAGATGACTGGCTTTTGTGTTGGGTGATGGGTTTAA
5 TATTGCTCACAGGGGTCCGGGAGCATTTCTGTTTGAAGATGTTAATGGGTACACCAATTGCTGGTTTGG
ATTCACCGGTTGGAGAGAAGATGACCAGCTGTGTGGTATGTCTGCCGATCCGAGAGAAAGAAATTAT
NCTCCTT

>'000128a-057.scf' came from CONTIG 47 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-057.scf"(53>548)
GCACGAGGCCAGTACACAGGTGTCGTGAAAACCAACCTTAAACCTAAGCCAAAAGGGAAGGAGAAG
ACCCACATCAACATCGTTGTCATTGGGCACGTAGATTCAGGGAAGTCTACCAAGACTGGCCATGTGAT
CTACAAATGTGGCGGGATCGACAAGAGAACAATTGAAAAGTTTCGAGAAGGAGGCTGCCGAGATGGGA
AAGGGCTCCTTCAAATATGCCTGGGTCTTGGACAACTTAAAGCTGANNTCTTGCGTGGTATCACCATT
15 GATATCTCGCTGTGGAAATTTGAGACCAGCGAGTACTATGNTACCATCATTGATGCCCCCAGACACAG
AGACTTCATCANAAACATGATTACAGGCACATCCCCAGCTGACTGTGCTGTCTGGATCGTGTGCTGG
TGGTGGTGGATTGAAAGCCCGGATCTNCAGAAACGGCAGACCCGNGAGCATGCCCTTTTGGCTTTACA
CCTGGTGNGAANCACTANTG

>'000128a-056.scf' came from CONTIG 47 at offset 20;"E:\SEQUENCE\export\EST_db\000128a\000128a-056.scf"(77>499)
TGTTGTGGAAACCACCGCTTAAACCTAAGCCAAAATGGGAAAGGAGAAGACCCACATTAACATCGGTG
TCATTGGGCACGTAGATTCAGGGAATCTACCAAGACTGGCCATCTGATCTACAAATGTGGCGGGGAT
CGACAAGAGAACAATGAAAAGGTCGAGAAGGGAGCTGCCGAGATGGGAAAGGCTCTTTAAATGCTGG
25 TCTGACAACTTAAGTTTTTGACGGGGTCACATGATTCTCCTGGGAATTGAACAGAGTATATGTACTATG
AGCCAAGAACAACCTATCAAACCTGTTCCGGCTCCAGTGATGGCTGCGATGGTGTGGTTGGATTGAGCG
ATTTCAACGCAACCGACTGCCTTGTTACTGGGGAAATATGGGGTACAAGATCCTACCCTANCAAAAAC
AATGTGAAACCTTTAA

>'000128a-058.scf' came from CONTIG 48 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-058.scf"(9>565)
GCGTTAAACTAGGGATCCCCGGGCTGAGTATTCGGCACGAGGGATCCCACAAGAGGCTGGACCCTAG
ACATACTCTTGTGAATAACGCACACATGGTGTATAACTAGCACGCACGTAAAACATCCGTTTTACGT
AGCCACAGGAGGGGGAAACCATATAGATGAAAACACTGAGTCTGAGACGTGGACATCCCAGAAAGTGT
35 ATAACTAACTTACCTGAGTATAGGAAGAACCCTCTGATATCCGTGAGCAAGACAAGGAAAAAGAAG
AATTCTGAATATATGGGAAAGCCAGCGCTATAGGGAGAGCAACAAGGACCATGAGAGCCAGATATAT
GATGGGGAATAGAGAGGACACACGAGGATAACATACACATAGAGAAAGCTATCAACGGGGAAAAAT
AAGCGATGAGACACTCATGGTGGACTGAACGGCCGGCATAGGGAGGCAACGATAGTATACGAGGGAA
ACGAACAATATGACGCAATAAACGAGTAGAAAATGGGAGCTACACAGTGTTTAGGAGGAGCTATGGA
40 CAAACGGGTTTTAAATTCCGG

>'000128a-059.scf' came from CONTIG 49 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-059.scf"(40>518)
GTCTGCTATTCGGCACGAGGGTTTACCAGCTTAGAGGTCTTGACCAATTGAAGAAGACACTATTCTT
45 GTCATAGATCCAAATAATGCTGCAGTACTCCAGTCCAGTGGAATAATCTGTTTTACTTGCCACATGG
CTTGAGTATAGATAAAGATGGAAAGTATTGGGTCACAGACGTGGCGCTTCATGAGGTGGTCAAACCTAG
ATGCAAAGAGTAAAGAAGGCCCTCTGCTAACCTGAGAAGGAGCATGCAACCAGGCAGTTTTCTAGA
AACACTTCTGTGCAGCCCACCGATGTGGCTGNGGGACCAGACACCGGAACCATCTATGTGTGAGATGA
CTACTGCAACAGTCGCCTTGTGCAGAGTTCACCAAGTGAATAATTCATCACACAGTGGGGAGAAGCGT
50 CTTAGAAAACAANCCTATACAGACCCAGTCAGAGTTCTCACAACCTGCCCTGTNGCCTCCCTGGCCAC
TGGG

>'000128a-060.scf' came from CONTIG 50 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-060.scf"(45>469)
TTCCAATGAATATTCAGGACTGATTTCTTTAGGATTGACTGGTTGGATCTCCTTGCACTTAGGAGGT
55 ATTACTTACATATTGTAATAATTTACCCCTGTAAAGTATACAATTCAGTGGGTCTTTATATACTCACAGT

TATATTTAATAACACTAATCTCAGAAATTTTCATCACCCCCAAAAGAAGTCACATACACATTAGCAGTC
 ACTTCCCATTTCATTCTNCCATCTCCAAGCAGCCACTATACTAGTNNNNACTATGATTTGTCTACTTT
 GGACATTTAACTATATGAATTCTACAATATGGGCTTTTGTGACCATTNNCTTTACTTTACAAATATTGA
 TATTGTGCAGGGCAGGGGCATACTCATTCTCCTCTGTTCTTAGTAGATGGNGAGAGAGAAAGAAAAAA
 5 AAAAAATGTAAA

>'000128a-063.scf' came from CONTIG 51 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
 063.scf"(49>634)

CGCTGACTATTCTCAACCAACCATAAAGATATTGGTACCCTTTATCTACTATTTGGTGCTTGGGCCGGT
 10 ATAGTAGGAACAGCTCTAAGCCTTCTAATTCGCGCTGAATTAGGCCAACCCGGAACCTCTGCTCGGAGA
 CGACCAAATCTACAACGTAGTTGTAACCGCACACGCATTTGTAATAATCTTCTTCATAGTAATACCAAT
 CATAATTGGAGGATTTCGGTAACTGACTTGTTCCTTAATATTGGTGCTNNNTATAGCATTGCCCGAAT
 AAATATATAAGCTCTGACTCTCCCTCCTCATTCTACTACTCTGCATCTCTATAGTGAGCTGGGCAGGAC
 AGCTGACCCGGTACCTCCTTACAGCAACTAACCTGCAGAGCTAGAAGACTAACATTTCTCTTAACTAA
 15 AGAGATCTCATTTAGAGCACACTTATACACATATAAAAAGACCCGCAGGACATACAACCTTGTGTGAA
 CGATATACGCGACATATACTTTCCTGTTTAAAGGCTACAAGTTTAAACGAACAAAACCTTTGACGGGAG
 AGGACTTTTAACTTTTGTGTTGCCCGAGTTTATTTCG

>'000128a-064.scf' came from CONTIG 52 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
 064.scf"(54>595)

GCACGAGGGGGATCTACACTCGAGTCAAGAACTACGTTGACTGGATAAGGAAGACAATGCAGGAGTA
 TAGTGCCCCAGTGTAGACTAACCATAACAGGTCCCACCAGCCTCTCTAAGGGCTGTGACCCCTCTGGA
 CTTTCTCTTCTCACAATAGTTCCATTATTTACCATGACTGAGAGAGGACACGGGAGTGAGATTGAGC
 TAGTGCCAGGACTTGGATGTCGGGACACTGGGTGGAGGTAGGGTGTNTCTCTGTGGCTGTGTTGGT
 25 CTTTCAGTATAGATGGACTAACTACATGGGGTCTCTCCCCGAGTCCATCCTGTGGACTTCAGTGTGC
 AAGGGAACCCCTCTCTTCTCTATTCTATGCGGTGGNNAGGGTCTCTCTCTGGATGACCCACTCCTGTTA
 CAGATCTGACTCTGAAATTTGTGTGGGGCATTCTCTTGATTTTNTTGGGTNCCCTTTACCGTTGAAGT
 TGACCACACGTTCTGCTACTACTGTAATAAGCATGTTATAACCCAAAAAANAANAANAACCTGGA

>'000128a-065.scf' came from CONTIG 53 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
 065.scf"(50>578)

GCACGAGGTGAAACCTTAAATCCCACAACATTTATTATAAAGGTGCTGTAAAGGGAAACGCTGGGCTT
 CATGACGGGCTTATCGGTAGGATTTCTGGTAGCGGGCACGGGCACCAGGACCTCCAAACTTCTTGAT
 TCGCAGCGACGGGGATCGGCTACCAGCAGGGTCCGGTCATACTGGATGAGGATGTCTTTGATCTCCTT
 35 CTTGGAAGCCTCATCCACATATTTGTGGTAATAGGCCACCAAGGCTNATTAGATGGACTGGCGGATGG
 CGTAAATCTGGGCGACGAGACCACCCCTTCACTCGGACGCGGATGTCCACACCAGCAAATCGCTCC
 TTGCCNAGAGCAGAACAGGTNCCAGTAGCTTGTATGCAGCGTGCAGCGGTTTCGATCATTCTCAGGGTC
 GTGCGTTACCTGATGAGGNCGNTACCTCGTTTGCAGTGCGCCAGGCTGTGGCCGNCTTCTTACGNCC
 GAGACTTGCACGACTGCAGAGGCCCTTTGGACGCATGGCTCAGGCGCAGAACG

>'000128a-066.scf' came from CONTIG 54 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
 066.scf"(50>515)

CCGGGGACGAGGGCCTGACCCACTNACAAACGTGTGCTAGACTACCCGAGGGACCCCTGAAAGCCAA
 AGCTCGGTCCCCGGTAGCGTCAAGGCTACGAATCTTGTCCGCACCAACGCCGACCTGAGGGGGGAG
 45 GGGCTGCAGCCAGGAAGACAGAGCGGAAAGAACAAAGGAGGGCGAGGAAAAACAGGCGAAGCACAA
 AGAAAAAACAATAAACAGCGCAGTCGGAGGAGGCACACGTGTGGATGGGATGAGCTCTTCTATGA
 GAAGGACAGCGCCGGTGCAGCCAGACCTGAATGCGAGGAGGAGGAAGAGACAGAAGTGGGAGAGGA
 GCAGGAGTAGGCGGCAGATTGGACCTAGCACAGCTACAGAGAATGATGGCTGGGGGGGAGAAGAGGCT
 GGATAGAGCGCGGGTAGATATGACACAAAAAGATGACGAGAACGCGCTGAGAACACGGGAGCAGAG
 50 A

>'000128a-067.scf' came from CONTIG 55 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
 067.scf"(9>545)

CCGTTAAACTAGGGATCCCCGGGCTGCAGGCAGAGACGGGCGCCGTCCCATCTCGGCCTCTGGGTAAC
 55 TTCTGCTTGACTGACCGACCGTGACCCTGACATAGCGTCATATTCATGGCAGCCAAGGGAGGCACTGT
 CAAAGCCGCTTCAGGCTTCAACGTGCGGAAGATGCCAGACCTGAGGAAGGCCATGAAAGGGCTT

CAGGAAGCCTTGCTGATGAGACAGAAGTGGAGGAAGAAACCGAGGCCGAGGTGGCCGAGGTACCCG
TGGGAGCCAAACCCCGACCAGGTGGAAGCAGGAGAATTCGATGATGGTGGCCGAGGAAACCTTCTAGGA
GGTGGAGGCCGAGAACCCCTGCCAGAACCACTGCAAAACACGGCAAGGAGAGAGAACTGGACGA
5 GAACAACACCCGCTGTGTGAGAGCCAGCACCCACCAGCTGCCCTGCCCGCATCGGCGAGTTGAGAA
AGAGTGCAGCAACGACAAACAGACCTTCGACTCTTGCTGCCCACTTCTTGCAACAGNGGACACTGGAG
GCACCAGAAGGGCACAACCTGCACTGACTACACGGGCCCTGCAAAACATGCCCCCTGCTGGACTCGAGCT
GACGATTCCCTGCGCAGCGGACTGGCTAGTACGACT

>'000128a-073.scf' came from CONTIG 61 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
073.scf"(55>610)

GCACGAGGCTTCAAGGCCCTCATTGCCGCTCAGTACAGCGGGGCTCAGGTCCGCGTGCTCTCCGCACC
ACCCCACTTCCATTTTGGCCAAACCAACCGCACCCCGAATTTCTCCGTATATTTCTGCTGGCAAGGT
TCCAGCCTTTGAGGGTGACGATGGATTCTGTGTGTTTCGAGAGCAATGCCATTGCCTACTATGTGAGCA
15 ACGAGCAGTTGCGGAGAAGCACTCCCGAGGCAGCAGCACAGGTNNNTCAGAGGGTGAGCTATGCTGA
TAGCGACATAGTGCCACCGGCCAGCGGGGGGGTGTTCCTACCTTTAGCATCATGCACCACAACAAA
GCAGCCACAGAAGATGCAGAGCAGGAGGTGAGGCGAANTCTGNNGCTGCTGGATGCTCACTTGAAGA
CGAGACTTNTCTGGGTGGCGAACGCGTGNACGCTGCTGAATCACAGATGTCTGCACCTGTGTTGGTTT
ACAACAGNTCTGGAGCCTCTTTCGCCAGNCCTTCTATACCCACGCTGGTCTTACTGCATATCANCCCC
ATCGGNTGTTG

>'000128a-074.scf' came from CONTIG 62 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
074.scf"(16>50)

AATGACCCCGGCTGATAATCGTTGAGGGGAGCTGA

>'000128a-075.scf' came from CONTIG 63 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
075.scf"(56>567)

GCACGAGGGGATTTTGCAGACATGATTCATATTTCTTCTTAAAGTGATTTCTTTCTGCTCGCAGTTA
AACAGAGAAGGAGGGTCTGGCGTGCCCTCTCTGAGATTGTTAATGATGTAAATTGAGTCCCTGGTTTT
TTTACTTCCGTCTCGTGTACATGACCGCGTGCGCATGGAGTAGAAGGATGATGCTGAGAAGTCAAG
30 GAACTGAGCACGCGGACGAACAGAGGCCGCGTCAGGCGCCTTTCCACCAACCCACCTCTCCCTCAG
TTTGGTTGTTAGTCTCACCCAGTCTCCTTGAGAAGATGGAGGGAGGCTGACACAACAGCGCGACACTA
CCCTGTGCCCCGCCGACCATCACGAGCCTACGTCCTCAAGAGCGGTGCCGCGCTGTGCGTGAGAGT
CAAACAGTATATGTGTATGAAACATGTACACATCAAGTTATGATATAAGATCTCAACTTCTAATTTAAT
TTTAAACTGATGTTGTCTAGGGGGGTTTGTCTT

>'000128a-076.scf' came from CONTIG 64 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
076.scf"(50>486)

CTCGTGTGGACTTTATCTTGAGGGCAGAGAAGAAAGTAATTTAAGTGTTGGAAGATAGAATTGATTATG
TTGGAATTCTGACACCGTAGCTCTATGGTACATCAAGCTCCCTTCATATGAACCTTCAAGTTGAGAGCT
40 TTGTAAGATGCTGATGTGTGTTACGTGTCCGGTCACATAAGTTAGTTCACGTGTCTGGCGTACTTCTC
AAGGTAGTGTACTGTAAAGATTAAGATGTTGTATTTTTTGTGTTTGTNNNTAAGGTATTATTTGGTGAA
AAGGATTGGGAATCCTACTACACTACAATACTATACAGTTGATTGTAGATGGGTACCTAGGCTAACT
NNTGTGGACTTATGAACAAATTGGATTTATGAACATGCTCTTAAATGGAACCTATTTCATATGAAGGNG
ACTTACTGTTATAGTAGATGGGGAGG

>'000128a-077.scf' came from CONTIG 65 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-
077.scf"(47>555)

TGTTGAGTGTTGTGAGATTTAAAAAGCAAAACAGACCACTGCTGGCTGGTTGGTGGCCGAGGTGAATC
ACCCAAAAGCTCCCATGCCACAGAGCGAAGCCGAGACCACGAAACCTGGGTTCGAGGCCAGTGGA
50 AGGGGTGCATGGCCTCACTCCTCACTGCTGCTCACTTCTCCAGGGCAGCATCTCCCCTGNGTTTGCAC
CCATGGGACTCATCTTTTGGGAGGGTTTTTGTGTTGTNTTGTGTACCTTTTTTTAAGGAGCAGAGAG
GCCAGTGATCACCCCGAGCCGGGCTGGGTAGCAGGTGACCTGACATGCGNNGATGTGCCCTCAAGA
GCCTGGNGCCTTACCGCTTTGTGCTTGGGCTGNGTGTGCCCTCGCTCCCTCTGGGGCGGNGGCCGCTGC
AGACCTGCCCNAGGGTCCAGNNGGGAGCCACCACTGATCATACCAGGCTGNCAGCCACGGACGCTC
55 GCCTGGTCTGCTCACTTCCCTGGCTGGANNAGT

>'000128a-078.scf' came from CONTIG 66 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-078.scf"(49>560)

TTATTTTCGGCACGAGGATCATTGATGCCCCAGGACACAGAGACTTCATCAAAAACATGATTACAGGCA
CATCCCAGGCTGACTGTGCTGTCTGATCGTTGCTGCTGGTGTGGTGAATTTGAAGCCGGTATCTCCA
5 AGAACGGGCAGACCCGTGAGCATGCCCTTTTGGCTTACACCCTGNGTGTGAAACAATAATTGTTGGC
GTTAACAAAATGGATTCCACTGAGCCACCCTATAGCCAGAAGAGATACGNTTNAATGGTTAGGGAAGT
CAGCACCTATATTAAGAAAATTGGCTACAAACCCGACACAGTAGCATTTGTGCCAATTTCTGGCTGGA
ATGATNGACACATGCTAGAACCAGTGCTATATGCCATGTTTCAGGGATGGAAGTCACCCGTAGGGACGC
10 ATGCCAGGGAACCACCTGCNTGAGCTCTGATGCATCTGCACCACTCGCCACTGACAACCTGCGTGCTC
TCAGAGCTATAATGGGGATGTACGCCTGGGNCGGG

>'000128a-080.scf' came from CONTIG 67 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-080.scf"(46>302)

15 TGTATTTCGGCACGAGGTAAGTGTAAATCGGCAGAAACAACAGCAACATCTTTGACCTGAACCGGAATT
TCCCGGACCAGTTCGTTTCAGATCACAGAGCCACCCAACCAGAACTATGGCTGAGATGAGCTGGATG
AAGACCTATCCATTTGTGCTGGCAGCAAACCTGGATGGAGGGACTTTGGAGGGTAACTACCCTTGTGA
GATGATGAACAAGGCAGTGCCACATATAGGAAATGACCAGATGATGCTGTCT

>'000128a-081.scf' came from CONTIG 68 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-081.scf"(51>540)

20 GGAGATGAACCGATAGATTTCAAAATCAACACCGATGAGATTATGACCTCACTCAAATCAGTCAATGG
ACAAATAGAAAGCCTCATTAGTCCTGATGGTTCCCGTAAAAACCTGCACGGAACCTGCAGGGACCTGA
AATTCTGCCATCCTGAACTCCAGAGTGGAGAATATTGNGTTGATCCTAACCAAGGTTGCAAATTGGAT
25 GCTATTAAAGTCTACTGTAACATGGAACTGNGGAAACGTGCATAAGNNTNAGTCCTTTGACTATCCC
ACAGAAGAACTGGTGGACAGATTCTGGTGCTGAGAAGAACATGTTTGGTTTGGAGAAATCATGAGGT
GGNTTTCAGTTNAGCTATGGGCATCTGAACTTCCGAAGACGTCTCGATGTCAGCTGGCATCCTNCGACT
TTCTNCAGCCGGCTCTCAAACATCAATATCACTGCAGAATACATGCTACTGGATCATGCAGGGNAATG
TAAGAAGCTGAAGT

>'000128a-092.scf' came from CONTIG 68 at offset 441;"E:\SEQUENCE\export\EST_db\000128a\000128a-092.scf"(63>428)

30 GCTTATAAAGCCATAAACATAGGATACAAGAAGCTGAAGTTGCGGCGGGTAGGTAAGAAAAAATGAA
AGGAGAAGAACAGGACGGACACGGGCAGGAGGAAAGGACCAGGGGGAAGGGCGGGAGAGGGGGAC
AGAGGAAGGAGGGCGGAGGGGGGGGGCCTGGAGGAGAGGAGGAGGGAGAGAGGGAGAGAAAAAG
35 AGAGACGAAGAGAAAAACAGAGGAAGGCAGAGAGGAGACAGAGAGGGACGCGAAGATAGGAGAAG
CAAAGGCTAAGTGGCTAGAAGAATGGAAGCAAACAAAGAGACACACGACAAGAAAACACACCGCA
CGCTACTAAAAAGAAATGGAAGAAAAAGAAGACAAATTGT

>'000128a-082.scf' came from CONTIG 69 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-082.scf"(53>345)

40 TCGGACCCGTGTGCGAACCTGACCGGACAAGAAGACGGAGCATCGGTGAGATGTGTACACGGCGTCA
CTGGCATGGGTGCCGTGGCATGTGTCACCATATGAGCACCACGCCTGGATGGCACCCTGGGCACCGC
GGCTTGGCACACCACAAGGGCCCTCGCCGCTGAGATGGACGANAGGAGGTGGAGTAGCAGAGACGTA
45 TACAGCAGGGCGGAACAAGCAGGGACAGTATGATAGGGAGTACATCACTGTGGTGACATTGCATCAT
GGGATACTCATCATGATGCTGCCA

>'000128a-083.scf' came from CONTIG 70 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-083.scf"(51>541)

50 CGGGCGGCGCCTGGCCCCGGGCAGTGACGCGGGCGCTGGCGCTGGCCCTGGTGCTGGCCCTGCTGGTC
GGACTGTTCCCTGAGCGGCCTGACCGGCGCGATCCCGACCCGAGGGGCCAACGGGGACGGGGGATGC
CGGTTCCGCCCCGCTACCGCTGTGCTGCTGATCCTGGACCCCGAGACGGGCCAGCTGCGCCTGGAG
GATGGGCGCCACCTGACGCCGAGCCTGAGGCCAACCTTACGAACGTTCCACGCGAGAGCGGGAGG
GCCTTTGTGGAGCTGCACACGAACGGGCGCTTGAATGACAGACTGCAGGCCTACGCCGAGGCGAGA
AGGAGGCTGCTGAGTGCGGAGAGCTGATCTACATGTACTGGATGAACACGATGGAGAATTAAGTGGC
55 ACCCTTCGAGTATGAAGGGGTATACTGTGAGATGCTCAAGAACTTGCTAGAGGGCAACCTGTAGTGGA
TGCAGAAAGATATGGAGCT

>'000128a-094.scf' came from CONTIG 78 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-094.scf"(1>358)
CTCAGGGGCGGCGTCTAAACTAGGTCCCGGCGCAGCCTCTGGCTGGTTCCCTACACGACCTTCCCCTA
GCATCTCCAGACCATCCATTGAGCGTCGTACATGACGACACTAAGGACACCTTGAAGCAACAGGAAA
5 GAGAACAGAGGGGGAAAGAAGAGAGGGAACCAATAGAAGTGGGGAAAGGAGGAGGAAGGACCAAG
GGAACGGCAGGACAAAGGACGAAGTTCTAGAAAAGGAAAAAGGAAAAAGAGAAAGGAGACCA
AGAAAAAGAAAGGCAATAACAAGTAAAAGAACACGATGGGGAGGAAGGGGAGAAACGCA
CACATAGCGGCAGGCGGGACCGGGGAAA

10 >'000128a-095.scf' came from CONTIG 79 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-095.scf"(53>524)
CGGTCTGGGGCTGGTGTTCAGCGCCACATACCTTAGCACCAGATGGACAGCTCCACAGCCCAGAGTC
TCCTCTGTGGCCTGAGCTACACCTCTGCCGGCTCCCTCAGCCGCCACCTCTTGATCGGCCACAAGGTGA
GAGACCAGGAGGAGGAAGAGGCGAGGCGGCAGAGCCAGAGGAGGGGCTGGGGGAGGAGGTGCCC
15 ATGGGGACCAAGGAGAACGGAAGTGAAGAAAGTGCCGAGGTCTCCAGTGTGAGGCGACTCCGAGACG
AAGAGATCTCTGAGCCTGGCCCAGGATGAGGATGGAGCAGCAGATGCTCCTAAACGACCACAGACCT
GTCAGGACCGGGACAGCCACACACCGAGACCCGAGTGTGACCAGAGGCCCTGCAAGGCATGGGGCG
GGTGGACGCGGGNCGACGCGNCGCTGCTGTGGGGACAAGGGAAANAACAGCCCACCAGGGNGAGTG
GCG

20 >'000128a-096.scf' came from CONTIG 80 at offset 0;"E:\SEQUENCE\export\EST_db\000128a\000128a-096.scf"(42>393)
GGTCTGCATGCGGTTTTTTTTGTGGTTTTCTGGCGTCAGACGTTATATGTTAGTGGTGTGGGACTTTAC
TAGTTCTAGACTGATATACGATCCTGTATGGTGTGCGGTGTGCTTTAAATGAACACACAAAAGACAT
25 AATGGAGAAAGAGGAAAAGAGGAGGAAAAGGAGAGAGAAGAACGAAAAAGAGGGAGCGGAGTGGAGAGG
AAGGGAGGGGGAGGAAGAAAGAAAAAGGGGAGGGAAGAGAGAAGGGGAGGTCTGGGGAGGAGAAA
GGGAGAAGGAGGAAGGGAGAGGAGAGAAGAGAAGAGTGAGATAAAAAGGACAGACAAGAGAACAG
AAGAGAACAGAAGGAGAGA

30 >'000203a-001.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-001.scf"(45>465)
GCACGAGGCTGTTTTATATTCGCCCATTCAGTCCATTTTAATTCTCTGATTCCCTAATATGTTGATGTTCT
ACTCTTGCCATCTCCTGTTTGACCACTTTCAATTTGCCCTTGATTTCATGGACCTAACATTCCAGGTTCTGT
TGCAATATTGCTCTTTTTATCATCAAACCTTTACTTCTATCACTAATTACATCCATAACTGGGTGGTGT
35 TTTGCTTTGTTTTCTTCTCTCTTTTGGAGTATTTTCCACTGATCTTCATTAACATATGGGGCAC
CTACCGACCTGGGGGGGTGATCTTTTCATGCTCTTTCTTTTGTCTTTTATTCTGTTATGGGGTTTCAAGC
AAGATATGAAGAGTTTGCTTTCTTTTCCGGGACACGTTTGTGATCAGATCACACAGACTGCCGCTGGGGTT
G

40 >'000203a-002.scf' came from CONTIG 2 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-002.scf"(48>297)
GCACGAGGGATTCTTATACTTTCTGAGGGAGTTAATGACCACTAGAGCTTGTCTCATATTTTTTTTCA
GCTTAATACTGTATGTCTCGTAAGATGGGCCTTATTGCCTGTATTCTTTGATATGTGATTAAGCCTATA
GCTTTCAGTGACCAAACATTTTACAGAGTAAAAATGTTAGGAAGCAGAAAAAGAAAATCTGATTTAT
45 TCTATGTCTCATTTATCCAGCCCTGCACTTAGATAGAAAGTGTGC

>'000203a-003.scf' came from CONTIG 3 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-003.scf"(40>551)
TTTTGACAGAGAACATTTTTCTCACATACACTTTTCAAGCTGTGGATGGGGGAGATCCCCC
50 AGATCTGCAACAGCCACGGTCTCTCTTTGTGATGGATGAGAATGACAATGCTCCCACTGTCACCCCTT
CCCAGAAATATTTCTACACTTTACTGCCACCTTCGAGTAACGTCAGGACAGTAGTAGCTACGGGGTT
GGCAACAGACAGTGATGATGGCATCAATGCAGACCTTAACTACAGCNATGGGGGAGGGAATTCCTTC
AAGCTGTTTGAGATTGATTACCAAGTGGGNGGGTTTTCTTAAAGGAAACTACCCAAAGCATTATGGC
TTGCACAGGNTGGTGTGCCAGNGATGACAGGGGCAGCTTCCCATCTACACGATCTGTGCTGTGTTGTC
55 ATGAAAGGTTCTAAGCACTGGATGACTCCCAAAGCAAACTGCCNCCCCATCACCAGAATATACGGG
ACCAGCTATAATTACACAAAATAATGTTTGGGGGGGG

>'000203a-004.scf' came from CONTIG 4 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-004.scf"(43>365)

GCACGAGGGCCCTTTGACGTTCCGGCCGCGCGCCCCGCGCCTCGTCGCTATGCCTCGCAAAATTGAGG
 5 AAATCAAGGACTTTCTGCTCACAGCCCCGCGCAAGGACGCCAAGTCCGTCAAGATCAAGAAAAATAA
 GGATAATGTGAAGTTTAAAGTTCGATGCAGCAGATACCTTTACACCTTGGTCATCACAGACAAAGAGA
 AGGCAGAGAAGCTGAAGCAGTCCCTGCCCCCGGTTNGNNNCGTGAAGGAGCTGAAATGAACACGC
 ATGCTGCTTTGAACTGTATTAAATTTTTTAAATTCTCAAAAAAAAAAAAAAAAAA

>'000203a-005.scf' came from CONTIG 5 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-005.scf"(45>563)

GCACGAGGCCAAGAATACAGTCACCTGCAGCCGGGGGACCACCTGACTGACATCACCTTAAAGGTGG
 CAGGTAGGATCCATGCCAAAAGAGCTTCTGGAGGAAAGCTCATCTTCTATGACCTTCGAGGAGAGGGG
 GTCAAGNTGCAAGTCATGGCCAATTCCACGAATTACAAATCTGAAGAAGAATTTATTCGTATTAAACAA
 15 CAAACTGCGCCGNNAGACATAATTGGAGTCCAGGCANTCCCTGGAACCAANAAGNCGAGCNT
 AGCGTCATCCCCTATGAAATCACACTGCTGTCTCCTTGCTGCACATGTTACCTCATCTTCACCTTCGCC
 TCAAAGACAAGGAACACCGTATCGTCAGAGATACTTGGACTTGATTCTGATGACTTGTGAGCAGAAGT
 TTATCTCCGCTCTNATAATCACGTTTTATNAAGTCTTGNTGAATGGNNATTCTAAAATGTAACCTCAT
 GAGAACATCATCCAGGGNAGCTGTGCTAGCTTTACACTACAA

>'000203a-006.scf' came from CONTIG 6 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-006.scf"(47>562)

GCACGAGGGTTTAATTAGTGTACAAGGAGGCTTCAAGAGGGCTTCTGTGGTGACCCCGTGGTAAAGCA
 TCTGCCTACCAAGTGCAGGAGACTCCAGTTCAGTCTGGTCTGGGAAGATGCCACACACCCGGGGGAAAC
 25 TGAGCCCATGTACCACAACTGCTGAGCCTGTGTTCTAGAATCCGGGGGAGCTGGCACGAGAAGTCACAG
 CAATGAGAAGCCCCACACTACTANAGAGTAGCCACACTCACCACACAAGGCTTNCCTTGTGCTCAGT
 TGTTAGGAATCTGCCTGCATGGCGGAGACCTGGGTGCTGATTCTGGTTCGGAAGATCCCTGGAGAAGGAA
 AGCTACCTGCCGGAGCCACACGGAAGACCCACCTGACAGTCTGTGAAGAAGTGAAGAGCAGGGATAAA
 CTAGGATCCTTGATTGTCAACTCTATCAACAAACTCTTCTGTTTGTGTTGCTTCACACTTCTGCGTGCA
 30 AGCTTTCCGCCCCCTTTNAAATAAATAATTTATTATATT

>'000203a-007.scf' came from CONTIG 7 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-007.scf"(32>465)

GCTGCAGGAATTCGGCACGAGGCTAGTTTCTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCCTTTTC
 35 TTCCACTTTATTTTCATATTCCCACCACAATAATGACTCCTTTAATTTAACTAAAAACCATANAGGGTT
 CCCTGAAATTGTGGCAGCAAAGGAATGAAAGTGTCAAATACCGAGGGACAGGTGGGGTGGGGAATCA
 CCGAATCGTCTCACTGGGCTCTTGAAGTTGCTGGCGGCTGAAGCTGCAGCTGGTAGGGCATTGATGGT
 ATCTGAAACCGAAAGCCTGGGCCAACCTGGTGGCGGCCCTTGCCGGTACTGGGGTGCACATGAAA
 ACATTGAAGGACCCGCGCCGAGAAGCGCCTCCGGGGGGGGGCTGTTGATTGGGGGTACACCCCTCC
 40 CCTGGGAAAAAATTTCCATGGCT

>'000203a-008.scf' came from CONTIG 8 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-008.scf"(39>747)

CAAAATGTCTTGAAATGATATTACCATAATTTAAGTAGGAAAGTTACCTGAACACTTCTGCTTCCACT
 45 TAACTGACTGGCCCGCAATATTGTAGGAACAGCATGTCCCTTGTACTGTGGTATTCAGAACAGCCACA
 GCACTCACTTTTTCCAAATGATTCTAGTAATTGCCTAGAAATATCTTTTCTTACCTGTTATTTATTAAT
 TTTTCCCCATATTTTATATGGAAAAAAATTGTATTGAAGATACTTAGTATGCAGTTGATAAGAGGA
 ATCTGTTCTAATTATGTTTGGTGGATTATTTTATACTGTATGTGCCAAAGCTTTACTACTGTGGAAAGA
 CAACTGTTTAAATAAAGAATTACTTCCCAAAAAAAAAAAAAAAAAAAAAAAAAAATACCGGAGGGGGGCC
 50 CGGTCCCCATCGTCCTATGGGAGCGTTACCATCCACGGGCGGCGCTTACAGCNCGGACGGGAACCCGC
 CGTCCCCACCTACGCTGCACCCACCCCTTCCCGTGGGTAAAGGAAAACCCACACGCCTCCACGT
 GCGCACCGAGGCGAGGAAAGAAGGGTAATTTGTAATCGTAATTTTATATATTTTACATGCCAAGCC
 ATCCTTAAAAAAAAAAGAAGGGGGGGTGTGTAATACTCTTAAAGCCCCCGAGAAAAACCTAGGGC
 CCCCCCCCCCTCTTGGGGGCGAC

>'000203a-009.scf' came from CONTIG 9 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-009.scf"(37>606)

TAATTCGGCAGGAGGCTCATTTTCCATCTCTTATGAGGACACACATCACTGAATTTAGGTTCTACCCT
AAGTCCAGAATAATCTCATCTTGAGATCCTGAAACTTATCACATTTGCAAAATTCAAGAGCCAGGGAA
5 AGCTGAGCAGTGAAGTGAACAGGGTTTGGCTCGAGGGTGATGAGAGTGTTCAGGGGTAGAC
AGGGATGCTGTTTGTACGACTCAGTGAATATACTAAACCCNAGGGATTGCATGCTTTAAAGAAGAAG
CTTAATGTTTGTGAAATTAGTCTCAATATAGCTGTTATTTTTAAAGAGCCTGGCTCGGGGAGCCATCA
ATCATACTGCTATTTTATATCGATGTGCCAGCAGAAGTATTCTTAAATCTTTATGACACTGTTTTACTT
TTGGCTGTCTCCACCTGGTTTAAATACATTGAACAGAACCCAGNGAAAGCCTATGGTACAGGGAGAG
10 CCCCCTTTGCCATGAGGGATAGAATTGGTGATGCCAGAGATTCCAAGAATTTGTGAAAAACCAGACT
CCGGGGCCGGGTAACCTTCTCCG

>'000203a-010.scf' came from CONTIG 10 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-010.scf"(44>427)

GCACGAGGAGAGAACTAGTCTCGAGTTTTTTTTTTTTTTTAACTGAAGGAAAATTTCTTTACAATG
CTGTGTTGGTTTCTGTACATACCAACGTGAATCAATCATAATTATATTATATATCCTGATGGCACATGTT
AAGAATGCATTTTCTCGTTTGAACATTACTGAGTTGGGAGATATGCAGGTTATGGATTAGTCTCTCTTG
TGACTACTGACTTAACTAAAATTGAGAAGATACAGCCATTTACCTACAGTCCTCCAGTTAAAACATGG
CAGACCTGAGCCTANAACCCAGTTTGGCTATTTTCACTCCAGTATCACCCAACTATACCTAAAATGTTT
20 CCTCTGCAGATACTATTCAAAGCACTTTATTTATTTCTAT

>'000203a-011.scf' came from CONTIG 11 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-011.scf"(31>278)

CTGCAGAAATTGACACGAGCACCTCTCAAGACCGAGCTGCTGCGGCCACACTCCTACAGTCTGTGCAA
25 GCCCCGAGTTTCACCCCAAGTCTGGAGGGAAGAACCATGTCTGTGACCAGCAACTGCAAAGAGCCA
ATGCCTGTGTGTTGACAGCCGGCGTGGAGATCTCATAGCTACTCTTGCCACTGCCCCACAGCTCCCTG
GCTCAAAAATTACCCTCATCTACTTGATAAGGATGATGTACACC

>'000203a-012.scf' came from CONTIG 12 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-012.scf"(1>719)

TGATGCCTTCTAATTATGGTTCCCCGGGCTGCTGGTGAGACCTGTGTATACCCCACTTTGCCCTGTGT
GGTTCCAGAAGAACTGGTATATCAGTAAGAACCCCAAGGAAAAGATGGCTCGTCTGGTACGGAGAGA
GCATGACCGTCGGATTTTCAGTTCGAGTATGGCGGCCAGGGGTCCGATCCTGCCGATGTGGCCATCCAG
CTGACTTTCTGCGCTGATGTTACCGAGGGTCTTCCATAACATCACCTACCACTGCAAGAACAAGA
35 GTGGCCTACATGGGACCAACTGACTGGCAACCTCAAGATGCCCTGCTCCTCCAGGGCTCCAACGAAG
TACGAAATCCGGGCCGAGGACAACAGCCGCTCCACTACAGCGACACCTAAAATGGCTGCACGATCAC
ACCGGACCTGGGCAAGAAGAGACGAATACAAACACCAAACTCCGCTGCCACATGATGGCCCCCTTG
AAGTGGCGCCCATACAGAATTTCGTTTCGAGTGGCCGCTGTTCTGAACTCCTTCCCCACCGCTCCTCACC
AACCCTGCCGACTCGAAAACAACACCAACGAACCCAAAAACAAAGGAAAATCACAGCTGAAAATTT
40 TCTGCTTTCTTAATATTTATTTACACAACATAACAAAGACACTCAAAAAAAACAGGACGCCCCCCC
TAGGCATAATATCGGTTACGGAGGACCGCCCCCTCCTCCC

>'000203a-013.scf' came from CONTIG 13 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-013.scf"(284>351)

ATGAAGCGTTATATTTGTAAATTCCGTTATATTTGTTAATCACCTCATTTTTTACCATAAGCGC

>'000203a-015.scf' came from CONTIG 14 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-015.scf"(1>680)

CTGCGGCCCTCTACACTATGGATCCCCGGGCTGCAGGCGGAAGATGGCGGCCACGGCGGTGAACGGG
50 GTGGCCGGCACCTCGAGCTCGGGGTCTGCGGCGGCCTCGGGCGCGATCCTGCAGGCCGCGGCCGGCAT
GTACGAGCAGCTCAAGGGCGAGTGGAACCGGAAAAGCCCTAATCTTATCAAGTGCAGGNGGAAGAGCT
GGGCCGTCTCAAGCTGGTTTGTGGAGCTCAACTTCTGCCAACNNACAGGACCCAAATGACCAAG
CAGCAGCTCATTCTGGCCCGTGACATACTGGAGATCCGGGCTCATTGGAGTATCCTACGCAAGGACAT
CCCCTCCTCGAGCGGGACATGGCCCAGCTCAAGTGCTACTACTTCGATTACAAGGAGCAGCTCCCAGA
55 GTCAGCCTACATGCACCACTCCTGGGCCTCACCTCCTTCTGCTGTCCCAAACCGNTGGCTGATTCCA
CCAGACTGGACGGTGCCTGCCAAGACATCCAACCACGGTACACAAGCATCGGGNCCTCGAGCATACG

AGGAGGCAGTACATAGTATTCTGGCAAGCACATCCCGCGAACTACCTTCTCATGATTCGCTGAACTCA
GAAGAAGTTGTGANGAAGGCATGAAATCTTTACAAGCCCCGACCCCCTCACAAACCAAAAAAAAAAAACC
AAA

5 >'000203a-016.scf' came from CONTIG 15 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
016.scf"(8>560)
GCTCTATACTATGGATCCCCGGGCTGCAGGTTTCGCTTAGGCGCAGACGGGCAAACAGAGCCAGCATGC
CGGTCGCCCCGAGCTGGGTTTGTGCGAAAACCTATGTGACCCCGCGGAGACCCTTCGAGAAGTCCCGC
CTCGACCAAGAGCTGAAGCTGATCGGCGAGTATGGGCTCCGGGACAAACGTGAGGTCTGGAGGGTCA
10 AATTCACCCTGGCCAAGATCCGAAAGGCTGNCCGGGAGCTGCTGACGCTGGATGAGAAAGACCCGCG
CGTCTGTTCGAAGTAATGCCCTGTGCGGCGGCTCGTCCGTATCGGGTGCTGGATGAGGCAAGATGAAG
CTGGATACATCCTGGGCTGAAGATGAAGATTTTTTTGAGAGACGCCTGCAGACCAGTCTTCAGCTGGGC
TGCCAGCCATCACCAGCCCCGGGCTCTCCGCACGCACACAGGTCGCAGCAGGGAGACATCCGTCTCAT
GGCGCTGGACTCCAAACCATCACTCTCCTCCTCCCCTCGCGGGGCGNCCGGCCGGGAAGAANAAGCAA
15 AGACAGGGGGT

>'000203a-017.scf' came from CONTIG 16 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
017.scf"(44>531)
GCACGAGGAGTGACCAGGGTTAGCTGGGATGCCCTCAGACTGCACTGGACCAGCCCCGATGGGATCT
20 ATGAACGGTTTGTCTAATAGATCCGGGAGACTGACCAGCCCCAAGAAGTTCACAGTCTCACGGTTCCT
GGCAGCCAGCACTCCGTGGAGATNTCCAGCCTCAAGGCTGGTACCTCTTACACAATCACCCTGCGTGG
CGAGGTCAGGGACCACAGCACTCAACCCCTTGCTGTGGAGGTTCATCACAGCGGAGCTCCCCCAGCTGG
GAGACTTATTCNGACTGAGGCTGGCTGGGATGGCCTCANACTCAACTGGACCGCAGCTGATCAGGCC
CTTGAGCACTTTGTCTTTCAGGCGCAGGAGGCCACAGGGTGGNAGGCGCTCAAACCTCCCGGGGGCCAG
25 GACATGCGGCTGGGACATCCGGGCCCTGAGCGCNCCCCTACAGAGCACATCCACGGTGATCGGGCTAT
AGACCAGGCTCTT

>'000203a-018.scf' came from CONTIG 17 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
018.scf"(13>586)
30 AAATATGGATCCCCGGGCTGCAGNAATTCGGCACGAGGGTACCATCTATTTTTTCAAACCTGGCAGGA
ATCCCCGGGGGAAGCCCGCATACTCCTTCCACGTTACCGCAGATGGTCAGATGCAGCCCGTCCCCTT
CCCCCAGATGCCCTCATCGGCCCTGGCATCCCCCGACACGCTCGCCAGATCAACACCTGAGCCATG
GAGAGGTGGTGTGTGCGGTGACCATCAGCAACCCACGCGACACGTGTACACGGGTGGGAAGGGCTG
CGTCAAGGTCTGGGACATCAGCCACCCCGCAACAAGAGCCCGTCTCTCAGCTCGATTGTCTGAACAG
35 GGATAAACTACATCCGTTCTGCAAATTGCTCCCTGATGGCTGCACTCTCATAGTGAGAGGGGAAGCTA
GTACCCTGTCCATCTGGGACCTGCGGCTCCCAACCCGCGCATCAAGCAGACTGACGCCTCGGCCCGCT
GCTCGCCCTGCCATCAGCCGGAATCAAGTCTGCTCTCGGCTGCAGCGAGGCACATGCTGGTGGGACTG
CACACCAACGCGTGAGGCATNCAGGCACCGA

40 >'000203a-019.scf' came from CONTIG 18 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
019.scf"(13>287)
AAATATGGATCCCCGGGCTGCAGNAATTCGGCACGAGGCAGGCCTTTTTTTTCTCTCTCAGACAACCAT
CTCATGGACCCCATTCAGGAAAGCTCTGAGTATATCATTTTCATGTCATCCAGTTGGCATTGATGAAGA
ACCCTTACAGTTCCGAGTTCCTGGAACCTCTGCTAGTGCCACCTTGACGGGCCTCACCAGAAGGGCCA
45 CCTACAACATCATATGGNAAGCAGTAAAAAACAANCAGAGCAGAAAGTTCGCGAGGAGGGGGTTNC
CG

>'000203a-020.scf' came from CONTIG 19 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
020.scf"(2>215)
50 CTCCGTTATACTAAGGATCCCGGCCGCGGAATTCGGCACGAGCCTCAGTTTTTTTTTTCAGCCTCAGG
CCCACCCTGAGGGTTCTCCTCCAAGCTGGCATCGCCCCACTTTACAGATGACCACCCAGGCTTGAC
AGGGCCGCCCCTGGACAAGAAGCTGATCAAGGCCCTCTTTGACGTGCTGGCGCACCCCAAGAACTACT
TCAAGTACA

55 >'000203a-021.scf' came from CONTIG 20 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
021.scf"(29>265)

CCTGCAGAATTCGCACGAGGAGAATCTATTTTTTCTCTTGATGAGGGTGAAAGAGGAAAGTGAATAAG
CTGGCTTAAGACTCAACATTCAAAAACTAACATCGTGGCATCTGGTCCCATCACTTCATGGCAAATA
GATAAGGAAAAAGTAGAACGGGGTCAGGCTTAATTTTTTTGGCTCCAAAATCACTGCAGATGGGGGT
TGCAGCCATGAAATTAGAGATGCTTGCTTCTTG

5

>'000203a-022.scf' came from CONTIG 21 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-022.scf"(36>646)

AATTCGCACGAGGTGGAAGCTTTTTTGTCTGGGGGTGTGACTGGGGGCCGGAGTGCCCCACCCGATTG
GTGGGTCCCCTTCCGCATTTAGGGTCCCTGAGCATGCTTTCTTGCCAGGGAGCTGGAAAAGTTTTCTGAC
10 CCTTTTCCCCAGAAAGAGAGACAATAGATTGCCCTCATTGTGATGTCTGTGGCCTCAAAATTGATCATT
TCCTGTCTCCTCCCTCCCTCCCCGCCCTGGGGCCCCCGCCATTTCATCCCCACCCCTCCAGAGCCACTT
ANGACCCACTTCTGACTAATTATGGATTCCAGATGCTTGGGATAAAAAGAAAAAGGACCAAGAACCCCT
CCCCCTCTCTGACCTGGCCAAAGCCCTCCCCCAATCCCCAGGTCTCTGGAGGGCTCTGCTTAAGCCCGC
CTCACCGANAGNAGGNATGTAGCTGTAGAAACAACCATGCAAACTGGGTGGCCTGCAGTTTACACCA
15 CCAATCTTCCCTCCTGGCTCCTTACATGATGAGGACAACCTGGCTGAGAAGGGCGCAAGCGTCTGGCT
CACTGCTATTCTGAAATAGAACTGGCTCTTGCTGGCGTGGCCTGGGTAGGGCCGGCAGAGGGG

>'000203a-023.scf' came from CONTIG 22 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-023.scf"(1>640)

GTGCGTTAAATAGGATCCCGGCTGAGAATGCCGAGGAAAAGGCCAGGTAAAAAGGGCCCCGGCCCCGGC
CGGGTGAAGAAGCAGGAGGCCAAGAAGGTGGTCAACCCCTGCTCGAGAAGAGGGCCCAAGAATTTTG
GCATTGGACAGGACATCCAACCCAAGAGGGACCTCACCCGCTTTGTCAAATGGCCCCGCTACATCCGG
CTGCAGCGGCAAAGGGCTATTCTTTATAAGCGCCTGGAAGTGCTCCTGCAATTAACAGTTTACGCA
25 GGCCCTGGACCGACCAACAGCTACTCAACTGCTTAAGCTGGCCCCAAGAACAGACCACAGACAAACA
AGAGAAAAAGCAGAGCTGCTGGCCGAAGTGAAGAAAAAGCGCGGGCAAAGGCGAGTCCCTACCAGA
GCCCCTGTCTTCGAGCAGGTNACACGGCCACACCTGGGGAAGACAGAAGCTCAGTGTGTGATCG
TCAGAGTGGTCCCTTGGCTGGGGTCTCTGCTGCTGGGCGCAGAGGGGNTTCTATGCTATAAGGCAGG
CGGTGGCGCGTGGCAGAGACGGCCACGACTTACCATCACGGGAAAGAGCTGTTAGGGGAACACAGAC
ATTAAACAAAAAGAACGGGTGGGGGAGGCGGGCA

30

>'000203a-024.scf' came from CONTIG 23 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-024.scf"(1>602)

CGCCGCCGCTTAAACTATGGATCCCCGGGCTGCAGNAATTCGGCACGAGGATTACAAGCGGATAGAA
GGGCTAAAAATCAAAGGCGAAGAGTTCATATGACTCTGGAGTTACCATGGAGTGCTGATAGAGCAATT
35 CAGCAATTTGGACGAAGTCAATAGATCAAATCAAGTTACCGCTCCTGAATATGTCTTTCTGATTTTCTGA
TTGGCAGAAGAACAAGATTTGCATCTATTGTTGGTAAAAGACTTGAGAGTTTGGGCGCACCTACACA
TGGAGACAGAAGAGCAACAAAACTAGAAAACCGAGCCGCTCCACCTTCGATAATAAGATGGAAGA
AAAGCTTTAAAAATTTGTGATGAAATCCAATGTGAAACCAAATTTCTCCTTGGTTTACCACTCCAGACTA
TCCTGGAGATTCTTTAAGAGTTCGCAAGACTGATAGAGTGTCTTATAAAGTGAAAAAGTCAGAACTTT
40 CTTTTATAAAATTTAAAACAAAGNAAATTTTAACAATTTGGGCGGGAGGGCCCAAAAGCCTTTTTTTT
TCGCACCCCTCCTGCGGCTCAAAGCAAAAAAGAAAAACATAGGAATTAATGTTGTTG

>'000203a-025.scf' came from CONTIG 24 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-025.scf"(29>176)

GGGCTGCAGCTCCATGGGGTGTGTTGGTGCCTGCCAGCCACGGAGGCCGGGCGGCCAGAACGCGCACAG
AGGGATATGATATGGTCCGGTGTGATGGAGAGAGCAAGCGGGACCGTGACGCTCCAGGACACTGG
CCCCGCGGGGAGCC

45

>'000203a-065.scf' came from CONTIG 25 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-065.scf"(1>665)

GTGGCGCCCTCTAAACTATGGATCCCCGGGCTGCAGGTGGACTACACCATCACTGTCTATGCTGTCACC
GGCCGGGGGACAGCCCGGCAAGCAGCAAGCCCGTTTCCATCAATTACCGAACAGAAATTGACAAACC
ATCCAGATGCAAGTGACTGATGTCCAAGACAACAGCATTAGTGTGAGGTGGCTGCCTTCAAGTTCCC
CTGTTACTGGTTACAGAGTGACCACTGCTCCTAAAAATGGCCAGGACCATCGAAAACGAAAACCTGTA
55 GGTCCAGATCAAAACAGAAATGACAATTGAAGGGCTGCAGCCACAGTGGAGTATGTGGTCAGTGTCT
ATGCTCAGAAATCAAAACGGAGAGAGTCAGCCTCTGGTTCAGACAAGCGTTACCCACCATTTCTGCACC

>'000203a-035.scf' came from CONTIG 32 at offset 542;"E:\SEQUENCE\export\EST_db\000203a\000203a-035.scf"(38>379)

TTTTTTTTTTTTCTTTCTCGCTCCCTTCCTTTCTTCCTTACTTACTTCTTTGCTTTTGGCTGCATTTTCTTT
AAATTCGACACAGTTATGTTAAAAATATATGCATTGTAAGTTTGGTGTAAATTTAAAAATATGTG
GAGTGATTTCACTCTCCTGTTTAAACATTTGTTAAGGACTCAGCATGTGAAGGAGCAAGAGATA
TAGTCATTTTATTAGAAAACTTCAGTGTTCTAATTTTCATCAGAGACCGNGAATAATCAGAAGATGAC
ATGATTTACTTGGAATATACAGCTTATCAAGGACTTCGTTATTTATGATGGTTATTTAAATC

>'000203a-037.scf' came from CONTIG 33 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-037.scf"(37>554)

CGCAGCCACTCCGACCGGTGCCGCCTCGTCTGCTTCGCCATGACTTCCTACAGCTATCGCCAGTCGTC
GTCCACCTCGTCTTCGGGGGTATGGGCGGCGGCTCCATGCGCTTCGGGGCTGGGAAGCGCCTTCCGC
GCGCCAGCATCCATGGNGGCTCAAGTGGCCGCGCGTGTGCGGTGTCCTCCGCCCCGCTTCGTGTCCTC
GTCCTCCGGGGGTACGGCGGCGGCTATGGGGCGCCCTGGCCACCTTCGACGGGCTGCTGGCGGGCAA
CGAGAACTCACCATGCAAAACCTCACGACCGCCTGGCCTCCTACCCTGAGAAGTGCAGCGCCCTGGAG
AGCCAACAGCGATTGGAGTGAAAATCGCGACTGGACCAAAACAAGGCCGGCCCGCCGCGACTACACC
TACTCAAACATAAGACTGCGNACCAACTCGTGGCACATGAAACTCATAATCTGCATACACAGCCGTCG
CTGCAAGACTCGCACATTGAGACGACAGCTGGCAGAGGGAGC

>'000203a-038.scf' came from CONTIG 34 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-038.scf"(38>594)

NAATTCGGCACGAGGAGCAGATCCTGGCTGCCCTCGAGAAAGGCTGCAGCTTCCTGCCGGACCAGTAC
CGCAAGCAGTGTGACCAGTTTGTGACGGAGTATGAGCCAGTGCTGATAGAAATCCTGGTGGAGGGGA
TGGACCCTTCCTTCGTGTGCTTGAAGATTGGAGCCTGCCAGCAACCCACAAGCCGCTTTTGGGAGCTG
AGAAATGTGTCTGGGGCCCGACCTTACTGGTGCCAGAACATGGAGTCGCAGCCCTGTGCACCCGCTCG
AGCACTGCAGCGTCACGNGTGAAACTAGGGCACGCTTCACCCTGAAAACTGCAGCGTCTTTTCTGCT
CGGTTGTCTGGGGTAACCACCAATTTGTGACTTTGTATAAAAAAGACCCTTCCTCATCCTTNTTCTCC
CTCTTGCGTGCTTGCAAGCAGTGACTGCTGTTTCGTCCTTTTGTAAAAAGCGAACCTCCTGAGTTT
GATTGTGGCGGGGTAGGGGAAAGGTTGTGCGAGGAACGACCTCGCGAGGCCGCCCCGCTGTTGGGG
GGGCCTGCGCT

>'000203a-040.scf' came from CONTIG 35 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-040.scf"(29>585)

GGGCTGCAGGTTAATTCATTTTTCTGGAAAAAGAGAAGATGTTTATTTATTTATTTTCCATGGTAAAT
TCTTTTGAATCTGCCTCTTAAACCTAACTCTGGGCTCTCTCAGGAGGGGCAAAGAGGACCTTTGAGTTA
AACCTCCAATGGAGACCCTGGGAAAGAACCGGAGGCATAACACCCNAGCCGCCCTCCAAGTGGACT
GTANGACTCCCCAGACCCGCTGCCAGCTGCTTCTGCCATCGNTCTGCCTGGTTGGGTTNTGGGTCCT
GGATCCCACCCGAGCCCTGTAGGATGGCACCACAAGCCCTACATGAAGAGCTTTGTGGTGTCACTAAA
ATGTGTGTTTCGGCACGTTGCTGTCATTCTGCCTGNCTGCCATGCTGAAAAGCTGGCACAGCCCGANA
AGCCAGCGAAAAACACCTTCTGCCAGANCTCTGNCCACTCGAGATGAGACCACAGCTGCTGTCTCTCC
CAGAACAGGTATTATTTAAGTAAAAGTGTACTAAAAAGTTTGTTCAACTTATTCAAAACAAGAG
AAAAGGGGCGT

>'000203a-041.scf' came from CONTIG 36 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-041.scf"(1>593)

GGGGCCCTCTAAACTATGGATCCCCGGGCTGCAGNAATTCGGCACGAGGCGGACCTGCTGGAGCTCCT
GGCACTCCTGGACCTCAGGTATTGCTGGACAGCGTGGTGTGGTCGGCCTGCCTGGTCAGAGAGGAGAA
AGAGGCTTCCCTGGTCTTCTGGCCCCCTCTGGTGAACCCGGCAAANCAGGTCCTTCTGGAGCAAGTGG
TGAACGTGGCCCCCTGGTCCCATGGGCCCCCTGGATTGGCTGGACCCCTGGCGAGTCTGGACGTG
AGGGAGCTCCTGGTGTGAANGATCCCCTGGACGAGATGGTTCTCTGGCGCCAAGGNTGACGNGTG
AGACCGNCCCTGCTGACTCCTGTGCTCCTGCGCTCCCGGGCCCCCGNCCCTGTCGACTGCCGACAGC
NNGACGGGTGAGACGGCCTGCTGTCTGCTGTCCCATGCCGTTGTGCCGGGGCCCGTGNACCCAGCCCC
CGGGACAGGTGAAAGCGACAGGGACGAGCATAAGTCACGNGCTCTTGTCTCAGTCCCCGCTCCGCTT
CTGGAGCAGTCTTCGACTTGTCTGTGGCCGCGCCCCGTTTGTCTCGCA

>'000203a-047.scf' came from CONTIG 36 at offset 42;"E:\SEQUENCE\export\EST_db\000203a\000203a-047.scf"(41>502)

CACGAGGACGGACCTGCTGGAGCTCCTGGCACTCCTGGACCTCAAGGTATTGCTGGACAGCGTGGTGT
GGTCGGCCTGCCTGGTCAGAGAGGAGAAAGAGGCTTCCCTGGTCTTCTGGCCCCCTCTGGTGAACCCG
GCAAACAAGGTCCTTCTGGAGCAAGTGGTGAACGTGGCCCCCTGGTCCCATGGNNCCCCCTGNATTG
TCTGGACCCCCTGGCGAGTCTGGACGTGAGGGAGCTNCTGGTGTCTGAAGGATCCCCTGGACGANATTG
TTCTCTGGCGCAAAGGTGACCGTGGTGAGAACCGGCCCTGCTGACCCTCTGTGCTCCTGCGCTCCCGT
GCCCCGNCNTGTGCGACTGCCGACAGCTGATCGTGGTGAACAGGCTGCTGTCTGTCTGTCCATGNC
CNGTGTGCCNNGNCCCCCTGNACCCAGACCCGGTGACAGGGAAAAGCAACAACG

>'000203a-042.scf' came from CONTIG 37 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-042.scf"(1>652)

CGGCGTCCCTCTANACTATGGATCCCCGGGCTGCAGTGGTTCTGCAGCTCTGTGGCAAGCCGCGGAGT
CTGGGTTCTGATCCGAGGATGGGGTTTGTAAAGTTGTCAAGAACAAGGCCTACTTCAAGAGATACC
AAGTGAATTCAGAAGAAGGCGAGAGGGCAAACTGACTACTATGCTCGGAAACGATTGGTAATCCA
AGATAAAAATAAGTACAACACACCTAAATACAGAATGATTGTTCGTGTAACGAACAGAGATATCATTT
GTCAGATTGCTTATGCCCGTATAGAAGGAGATATGATAGGTTGTGCAGCTTATGCTCACGAACTCCCA
AATATGGNGTGAAGGNTGGCCTGACAATTATGCTGCGCATATTGTACTGGCCTGCTGCTGCCCCGCGAG
CTTCTTTATAGGTTGGATGGACAAAATTATGAAGCNAGACGAGGNGATGGAGAGATACATGNGNAAG
CATCGAGCCAACTGGGCCTCACTGTAAGTGNAGCAGACTGCAAACTCTACGAGTTAAGTTTGGCCCTAG
GACGCGAGAGCTGCTTTCTACAGACACGTCCTGTTGATCAAAGCAAATCAGCGAGCCCGAAGCATAGG
CAAAGTGAATACGCCCTGTGGAAAAAATCCAAACTTTTCA

>'000203a-044.scf' came from CONTIG 38 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-044.scf"(1>627)

CGGCGCCCCCTCTACAACCTATGGATCCCCGGGCTGCAGNAATTCGGCACGAGGCAGGACAATCAAGTGT
GGCAGCTGGGCTCATCGTCCCCAACTTCACTCTGGAGGGACATGAGAAAGGTGTGAATTGCATTGAT
TACTACAGGGATGGTGACAAGCCATACCTCATCTCTAGAGCAGATGACCGTCTTGTGAAAATATGGAC
TATCAGAATAAACTTGTGTACAGACACTGGAGAGGACATGCCCCAAATGTGTCTTGTGCCAGTTTAT
CCTGAGCTGCCATTTTATCACAANTTCAAAAAATGAACTGGCGTTTTGGCATTCAAGCACCTTCGCC
TTGAGAGGACTTGATTATGAATGGAGAAGAGATGGGGGGGCGCCGCGAGGTCCATAACGTGTTTTG
GCTTTGAGAAAGAAGCATATGTTAACTTGTGCGGAGAACTGCTTGTCTGGTGCCAAGGAAAATAATGGG
CCAACATCAAAATCACCAGCCACTAAACAAGGAGAGTGTAATTAAAGAAAAGATGCCTGCATAAAAA
TGCAGTTGAATTACTCAATATCACAATCTAAGCGCGGTGGGGGGGGGGGGGAAATTTTTCCGCAGCCC
GAAACAATGTGGGCCG

>'000203a-045.scf' came from CONTIG 39 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-045.scf"(44>624)

GCACGAGGCTTGCCTGCTGCCTGCCTGCCACTGAGGGTTCCCAGCACCATGAGGGCCTGGATCT
TCTTTCTCCTTTGCCTGGCCGGGAGGGCCTTGGCAGCCCCTCAACAGCAAGCCTTGCCTGATGAGACAG
AAGTGGTGAAGAAACCGTGGCCGAGGTGGCCGAGGTACCCGTGGGAGCCAACCCCGTCCCAGGGGA
AATAAGAAGAATCGATGATGGTGGCGAGGAAACCGAGGGGAGAGTGGGGANCGAGAACCCCGCCA
AACCACCACTGCAACACGGCAGGNGTGTGAACAGGAGAAACACACACCCCATGGTGTGGCCAGACC
CCACCACTGCCCTGCCNTCGCGAAGTTGAGAGTGTGCACAACGACAACAGACTTCGATCCCTGCCAT
TTTTGCACNAGGNACATGNAGGCACCAAAAGGCCCAACTCACTGNCTACTCGGCCTGAATACATCCCC
TGCTGCATCGACTGATGATCCTGGCTGCGACGCTAAACGCCGNCACTGACAAGGAAGCACACTCGACG
AAAATATGGATGAAAAACCAATAAAGCCGGGGGGGCTC

>'000203a-048.scf' came from CONTIG 40 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-048.scf"(38>559)

TTATACTCCAAGGCCTGGCAAAATCACATAATCAAGATTGAATTGTTTCAGAAATATTGGCAGGATTC
TTGGACTGTGTCTACTACAGAATGAAGTGTGCTTATCATTGAATAGACATGTGATTAAAGTGTTC
TTGGTAGGAAAGTCAATTGGCACGATTTTGCTTTTTTGACCCTGTGATGTACGAGAAGTTGCGGGCAC
TTATTCTTGCTTCTCANAGTTCAGATGCTGATGCTGTTTTCTCAGCAATGGATTTGGCATTGCAATTGA
CCTGTGTAAAGAGAAGAGGGGAGACAGNTGAACTATTNCTATGTGTAATATACCAGTCACTCTCAA
TGTTATGAGTATGTGCGGAATATGCTGACATAAATGTNNGTAGTGCAGACACCATACTGCATGAGAAG

TCTCTGNTGTGCTTCAAAATCATATANATTACACAGAAATTAGCTTTGTTAGCTGGNGAGNTACGGCG
AGCGTCAGTCACTCTTCTGAGATAGAAAAGTGAAC TTGCGTC

>'000203a-049.scf' came from CONTIG 41 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
049.scf"(1>306)

GGGCGCCCTTAAATAGGATCCCCGGCCTCAGGGTGGCAAGAGGCCGTGCTATTTTTTTTTTTGTAGAAG
TTTGTGCTGATGGCATCTTCAAAGCTGAACTGAACGAGTTTCTCACTCGGGAGCTGGCTGAAGATGG
GTACTCTGGAGTTGAGGTCCGAGTTACACCAACCAGGACAGAAATCATTATCTTGGNCCACCAGACAC
AGAATGTACTTGGTGAGAAGGGCCGGCGGATCCGGGAATTGACTGCTGTGGTTCAGAAGAGATTTGGC
TTCCCTGAAGCAGTGTAAGCTTATGCTGAAAA

>'000203a-050.scf' came from CONTIG 42 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
050.scf"(39>525)

NAATTCGGCACGAGGCTAGTCTCGAGTTTTTTTTTTTTTTTTTTCTTTGGAAAACCAAACATGCTTTAT
TTCATTTTTTTCACAATTTATTTAAACATCTCACATATACAAAATAGGTACAATTTAATTTTTCTGCTTG
TCCGAGAAACAAGACTTCTTTGGAACCATGGNAGAGGATGAAAATGAGACTGGCAAAGAACAATGC
TGAANTTAAAGAAGAGACAANTGTGGGCAAATGATCCACTTACTTTGTGGAATAAGATGTAAAGTAC
TGATGTTAAAGTCAAATGAAAAAATACACAATACAGCTCAACAGCAGAGGAGTATCTCTTCTCAAAT
TCTCCTAGCACCATCAACATTCTTNACAGTATCTGAAATACTGTTAATTAGCACCTTCGTATTTTGAACN
AAAAAACACAAATACCTCAGCTCATCTCTGGTCAGCACTCACGGTGTGGTATCACACTCACAGGAAAN
GTTTTGA

>'000203a-051.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
051.scf"(38>406)

NAATTCGGCACGAGGATCATATAGTAAACCCAAGCCCTTGACCTCTTACAGGAGCTTTGTCTGCCCTCT
TAATAACATCCGGCCTAACCATGTGATTTCACTTTAACTCAATGACCCTGCTAATAATTGGCCTAACAA
CAAATATACTAACAATATACCAATGATGACGAGATGTTATCCGAGAAAGCACCTTTCCAGGGGCACAT
ACCCAGCTGTCCAAAAAAGCCTCCGTTATGAATATTCTTTTTATTATCTCCAAGTACTATTCTTTACCG
ATTTTTTTGAGCTTTTACCACTCAGCCTCGCCCCACCCCTGACCTAGCGCTGCTGACCCCCACACGCAT
TCACCCACTAACCCCTACAAGTCC

>'000203a-053.scf' came from CONTIG 44 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
053.scf"(37>515)

TGAGAGCAGCAGCCAAAAACCACGCTCGAGTGACAGTAGTATGTGAGCCGGAGGACTATGCAGCTGT
AGCCTCAGAGATGCAGGATTCTGACAGCAAAGACACGTCCTTGAGACAAGACGCCAGTTAGCCTTG
AAGGCTTTTACTCATACAGCACAGTATGATGAAGCAATTTAGATTACTTCAGGAAAGAGTACAGTAA
AGGAGTATCTCAGATGCCCCCTGAGTATGGAATGAANCCTCATCAGACTCCTGCCAGCTGTATACGC
TGAAGCCCAAGCTCCNTTATCAGTCTGAATGGAGCCCNTGATTTATAANCTGGGTGATGCTTTGAA
TGCCTGCAGCTGGTGAAGGAAC TNAAGAGCTTTTAGCTTNCAGTGTGCGTCTTCAAACATGTAGCC
CACAGGCTGCTGTTGGATTCACTCATGAAGAGAAACCACTCTGCATGTTATGATTGTACAAACCTCCA
CCGCA

>'000203a-054.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
054.scf"(40>404)

CCTAAATTACTCAATAGTTTTAAAGTGTTACATATTCAAAGCCTTTTCCAGACCAGGGAGAGAGTTCTG
TTAGAGTGAAGGGTAGTGTCTCTTGCGCATTTCTGTGTGTGATTTCTAAATGCTACTGTGTGTGTTGTG
TGTGCTCCACAGTTTATATGCAAAGACTTTGAGCAACATTTATAAAAAGTATTTTCTCTTAGAACAAT
TCAAGAGATTTATTTTGTGGCTACCACAGNCACTGCCAGTGGATTGTTTTTCTTCTAAATCTGAATATT
GACCAAAAATTTGGTGATTTTATGACTTTGTTGTGTTGGTGTTAATTTTCTTAAAAATTTAAACTTTG
GTTAAAATTCAGAAATC

>'000203a-055.scf' came from CONTIG 46 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
055.scf"(1>728)

GTGCCTCTCCCTATACTATGTATCCCCGCGCTGCAGTATATTTTGCATGTAGGAGAACATGTAATCTCT
ATCTTCCCTTAGCAGGATCAAACCTAGGGCCTTCTGCATTGCGAGCACAGAAGCCTATCCTCTGGACC
ACTTGGGGGAGTCCCCGCTTTTCTTTGCATCCCAAAGAATATTATAACTAACCTAAAGAAAACCGCATT

GCTTCATTGTGGGAGCAGACAACGTGGGCTCCAAGCAGATGCAGCAGATCCGCATGTCCCTCCGCGGG
AAGGCTGTGGTGTCTGATGGGCAAGAACACGATGATGCGCAAGGCCATCCGAGGGGCATCTGAAAAACA
ACCCGGCTCTGGAGAACTGTTGCCTCACATCCGGGGGAATGTTGGCTTCGTGTTACCAAGGAGACC
TCACTGAGATCAGGGACATGCTGCTGGCCAACAGTGCCAGCTGCGCCCGGCTGTGCCATACGCCGGTG
5 AAGCCTGGCCAGCCAAACATGTCTGGGCCCCGAGAGACCTCTCTTCAGCTTAGCACACAGAAATTTCAG
GCACATGAAATCTGAGAGGCACGATAGAAGAACAAGAGCGCACGAGCAGCGTGACAGCGACACCCCT
TTCTCGCGNATCACAGGTGACAGCAATT

>'000203a-060.scf' came from CONTIG 51 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
060.scf"(1>262)

GGGCTAACAGTCCGCGAGCCCGGCAATCCGCAGCCGGGGCCACAGGAACATGCGTCTGCTTGGGGGG
GAGAGGGCCGGGCTAGAGCGAGCAAGGTGAGGGGGGGGGGGGGGACCTCCCGCGGATACAAGGTC
ACACACCCCTCCTAATGCAGAAGGCGACGGTTGCAGGAAGGGCAAATAAGGACTCGCAAGGTGTCT
10 AGGGGAACGAGTAAATGAAAGGCCACGGCGCGAGACGCGAGCGACCACCCAGGAGAACCGCG

>'000203a-061.scf' came from CONTIG 52 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
061.scf"(39>494)

NAATTCGGCACGAGGGTGAGTTTCATTGAGTTAAATAAATACCTTTTGAAAAGGAGTTTGCCGATGCA
CCAAAAAAGCCTGTCTGCGCTGTAGGAATGTGTGGTGAAGCTCAATTTCTGTTTATGAAACCTGTTTG
20 GGCGGGGGTCTGGGGGTTGCACAGAGAATGAGTTCTTGTATTTTCGCGTCACACAGGTAGTTATGAAA
TATGTTATTGTACTGTGTAAGATGCCAGCCATTTTGATTGTTTGGCTTTTACTTTGTACCTTTTCAA
GCTTTTGCTATACATCTGGAACCTCAACACATACTGTGTTGTACTTCCTTTTGTAATGATTTTTAATGG
AAGTTTGACATAACTCTTGTATACTGTACGATAATCTTGGGGGAAAATATTTTGCATATCAAAAAAA
25 AAAAAAAAAAAAAACCGAGGGGGCCCGCCCCCATTCCCCTTA

>'000203a-062.scf' came from CONTIG 53 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
062.scf"(1>630)

CGGGCGCCGTTAACTAGGTCCCCGGCTCAGCAGACACAGTGTCGTGAAAACCCAGTTAAACCTAAGC
CAAAATGGGAAAGGAGAAGACCCACATCAACATCGTTGTCATTGGGCACGTAGATTACAGGGAAGTCT
30 ACCACGACTGGCCATCTGATCTACAAATGTGGCGGGATCGACAAGAGAACAATTGAAAAGTTTCGAGA
AGGAGGCTGCCGAGATGGGAAAGGGCTCCTTCNAATATGCCTGGGTCTTGACANACTTAAAGCTGA
ACGNGAGCGNGGNATCACCATGATATCTCCCTGTGGAAATTTGAGACCAGCAAGTACTATGNTACCA
TCATTGATGCCCCAGGACACAGAGACTTCATCAAAAACATGATTACAGGCACATCCCCAGCTGACTGT
GCTGTCCTGGTTCGGTGTCTGCTGGGTTGGNNGAATTGAAGCCGGATCTCCAAGACGGCAGACCCGNGAG
35 CTGCCTTTTGTCTACACCTGGNNGNGAAAACACTATTGTGCGNNTACAAAGGATNCACTGACACCTA
TACAGAGAATCAANAATGTTAGNANCACATTATANAATGCTCACCCGACANACATTGGCCATTTCG
TGAAGGACAAGCTAACAAGCT

>'000203a-075.scf' came from CONTIG 53 at offset 27;"E:\SEQUENCE\export\EST_db\000203a\000203a-
075.scf"(41>615)

CGGGACACAGGTGTCGTGAAAACCCAGTTAAACCTAAGCCAAAATGGGAAAGGAGAAGACCCACAT
CAACATCGTTGTCATTGGGCACGTAGATTACAGGGAAGTCTACCACGACTGGCCATCTGATCTATAAAT
GTGGCGGGATCGACAAGAGAACAATTGAAAAGTTTCGAGAAGGAGGCTGCCGAGATGGGAAAGGGCT
CCTTCAAATATGCCTGGGGTCTTGACAAACTTAAAGCTGAACGTGAGCGTGGTATCACCATTGATAT
45 CNTCCTGTGGNNAATTGAGACCAGCAGTACTATGNTACCATCATTGATGCCCCCAGACACAGAGACTT
CATCANAAACATGATTACAGGCACATCCCAGCTGACTGTGCTGCTGCTGCTGTGNTGGNNG
AATTGAGCCNGCATCTCCAAGACGGCAGACCCGGAGCTGCCCTTTTGGCTACACCTGGTGTGAAAACA
CTATGTTGGCGTTACAATGGATNCACTGACACCTTANCAGAGAATCAANAATGTAGAAGCAGACTAT
TAAAAATGCTCACCCGACAGACTTGCCATTGT

>'000203a-063.scf' came from CONTIG 54 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
063.scf"(10>605)

GCTCTATACTATGGATCCCCGGGCTGCAGCGTCACTTACCTCACTCGTTCGGAGTCGTATATCGGGGGA
AATTGCTACATTCTGTACGGGTCACGTGATGCAACCCTTCTGCTCTGGTACTGGAATGGAAAAAGCAG
55 TGGTATTGGAGATAACCCGGGCAGTGAGACTGCCACTCCGCGGGCCATTCTGACAGGCCACGACTACG
AGATCACTTGTGCTGCTGTCTGCGCGGAGCTCGGCCTCGTGCTAAGTGGCTCCAAGAGGGGACCATGT

CTCATACATTCCATGAATGGNAGACTGNNTAGGGACTTGNAGGNTCCANAAAACCTGCCTGAAACCAA
ANCTCATTANGCGTCGAGAGAGGCCATTGTGTCAATTTTATGAAAATGGGCTCTCTGCACATCATGTA
ACGGAAAGCTCAGCCACATGGAACGACATACATAAGGCATCACTGACGGNATGGCAGACTGCTCACG
GAGAACAGGGGGGCTCAGTCTGCGGGTCGACTAACATGTCGCTACAGTGGAGCGGATCGGCTGGCTGCT
5 AACAAGGCGCTGTGCTCCTAGACACGTGTTACATCACGGGACCAACACCCT

>'000203a-064.scf' came from CONTIG 55 at offset 0; 'E:\SEQUENCE\export\EST_db\000203a\000203a-
064.scf'(44>603)

GCACGAGGCCTGGACCCCCTGGTCCCCCAGGTCCTCCAGCGGGCGGCTACGACTTGAGCTTCTCTGCCC
10 CAGCCACCTCAAGAGAAGGCTCACGATGGTGGCCGCTACTACCGGGCTGATGATGCCAATGTGGTCCG
TGACCGTGACCTCGAGGTGGACACCACCCTCAAGAGCCTGAGCCAGCAGATCGAGAACATCCGGAGC
CCTGAAGGCAGCCGCAAGAACCCCGCCCGCACCTGCCGTGACCTCAAGAGTGCCACTCTGACTGGAAG
ATGCGAGATACTGGATTGACCCNACCANNNGCTGCACCTGGATGCCATTAANNGTCTCTGCACATGGA
ACCGGTGAGACCTGGTATACCCACTCAGCCANGTGGCCCATATAACTGTATATCACAGAACCCAGTAA
15 AAAGCACGTCTGTACGGGAGACTGACGGCGATTGAGTCGATTGCGGCAGGGTCGACTGCGAGGGCAT
CATGATTCTGGCTGAGNCACGAGCTCAAATACTACATGAGACAGGNCTATGACACAATGCACTAAA
GCCGTCTCAGCTCAGATGA

>'000203a-066.scf' came from CONTIG 56 at offset 0; 'E:\SEQUENCE\export\EST_db\000203a\000203a-
066.scf'(39>329)

GTCTCAATGTCCGTGGCGCTGAGGCAAGCGTTGTGGGGGAGAAGGGTAGCGACTGTAGCTGCCGTTTC
CGTTTCCAAGGTTTCGACCAGGTCGTTGAGCACTTCCACATGGAGGCTGGCACAGGACCAAACTCGAG
ACACGCAACTCATAACAGTTGATGAAAAATTGGATATTACTACTATAACTGGTGTTCAGAAAGAGCAT
25 ATCAAACTAGAAAAGCCAGATCTTTGGTCTGCTCGNCATACATGCAGTCTGTAGTTAACAAACACA
AGAATGGAGATGGAGGTTG

>'000203a-067.scf' came from CONTIG 57 at offset 0; 'E:\SEQUENCE\export\EST_db\000203a\000203a-
067.scf'(45>669)

GCACGAGTGCGGATGACGCCGGTGCTGCGGGAGGGCCCGGAGGCCCGGGGGCCCCGGAATGGGAG
30 GCCGCGGTGGCTTCCGCGGAGGCTTCGGTAGTGGCGCCCGGGGCCGGGTGCGGGCCGGGGTTCGGGG
CCGGGGCAGAAGCCGCGGAGCTCGCGGAGGGCAAGGTCGAGGACAAGGAGTGCTCCCGTTACCAA
GCTGGGCCGCTGGTCAAGACATGAAGATCAAGTCTTTTGAGGAGATCTACCTTTCTCTCTGCCTATCA
AGAGGCTGAGATATTGACTTTTTCTGGGAGCATCCTTGAAGATGAGTTTGAAGATTATGCCGGGC
AAAACCAGACCCGGGCTGCCAGGAACCAAGTCAAGGCGTTGTTGCTTTCGGGGATACAACGACTGGG
35 GGCTGGTGGCAGGCCCAAGAAAATACCCTGCCTCCGGGGGCCATCTTCTGCTAAGTGTCCACGCCCGG
GCAAGAGCTTAGGGGAACANAAGACACCCCCCGTCTGCAGGGACGGCTGGGTCCGGCGGGCCCTAC
CTCCCAAGACGGCTCCTCGCCCGGCCAAACGGAGAGCGCTGACAGTCTTGCCGGCGCTGCCCTGGCA
TCCAGCCTTGTCTCCA

>'000203a-068.scf' came from CONTIG 58 at offset 0; 'E:\SEQUENCE\export\EST_db\000203a\000203a-
068.scf'(40>680)

TTTTTTTATGGCTTCTTCTTTCTTTATTTGACGCTTTGTAGATGTCACGCAGGTCTAAAAGTTACACCGT
TAAATAATTATTTAAAAACCAACCAGGATTAAGGCCCTGGCCCAGAGCTCCAAACCAGAAGCAGAAA
GGAATGGTGGCGGTGGGCTGGGGGGGTATTCTTCAACATCACAAAAACCCAGAGAACGAGGATCCT
45 AAGCTTTTACAGGCCAACCCGGGCACGGGCCTGCAGGCTGACCCTCGGAGGCCTCTGGCTGCATCAC
TATCAGATCAAAACCAGCGAGGAGCTGCCGGGAACAGCCAGCCGAGTCCAGACATGGACACAGTAGC
TGGATGGACACGAGACGGACAGGTCCTGTCCAGCTGTGGACAGGATTCAGATGCAAGCTAGGCAGTG
GGGGCAGGGGCTGGGGAGCAGAATGAAGCATGCAGGAGGGGGCCCCGGGGCCTGGCTCANCCACCGG
CCGCCGAGCCTCACCGTGTGGGNTCGCTGGGGNCTGGGCTCCCGCCCACTGGACTTGAGGCTCTGN
50 AGCGAGAGTTCCAGCCATTGTGATGTTGCTCTCACAACAAATNCTTGCCACTGGGAGAATTGAGATGG
TGACAAACTACGCCCCAAGCATGTGGATGCCAGC

>'000203a-069.scf' came from CONTIG 59 at offset 0; 'E:\SEQUENCE\export\EST_db\000203a\000203a-
069.scf'(12>643)

CTCTATACTAGGGATCCCCGGGCTGCAGTAATTCGGCACGAGGCTCGGTTTTTTTTTTTTTTTTTGTCTC
55 TAATTAAAATTTTTATTGAAATCTCTCAAACGTTACCAAGAAATAGTTTTTGCAAAAGGGAGGGAAGG

[illegible]

45 >000203a-073.scf came from CONTIG 63 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-073.scf"(1>639)
CGGGGCGCCCTCTAAACTATGGATCCCCGGGCTGCAGGCCAGTTTCCCTCCCAGAACATTCTTGGA
CCAGGCCACCTTTCCCCAGGTGTGTGCTGCCACTGCCACCCAGAGGTGGGATGGCAGGTTCCAGGTGC
CCTCTTGGATCCCCAGGCTTCCCCTGACATCAGCAGCATTAGTGGTTTTCTGGCTCCATCGTATCGCT
50 TCATGCTGAATGGACAGGACTGTTGACCTGTCTCAAGAAGCCCCATAAGATTTGAGCAGAAACGNTGAC
TTCCTTGTACCTCTGCCAGAGCAGCTCCCTTCTCCCCCCCAGAATTTACCAGATCTCTTCATGCTGCTC
TTNATTTNCGTACTTGAAGTGGNTCTGCCGACAAACAGCAGACTTTGTGTGTCCCACTCTGACTTGCAG
GACGGNAGNTTCTTTCTCTTAAAGTTGATCGCTTCTTGCTGTGACTGNCCCGCTGGNGAAAATGGTTTTG
CCTCGTTTTAAAGTGAACAGGAGACTAGATGCTGTACTAAACAGATGGAACCGAGAGAAACACTACCAT
55 CAGTAAAGACCACCAACCACTCATAAACGCTAACAAATCTGCTGAAAGATGTAGCTGGAAAAAA
AAAACGGGGGGCCGGCCACCTTA

>'000203a-074.scf' came from CONTIG 64 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-074.scf"(1>580)

GCGGGCGCGCTCTAAACATGGATCCCCGGGCTGCAGGTTCTGTGTCGTCCTTGGAGGTGACTCGGCGT
GATTGAATTTGCGGCATCTTCGCATTCACTCACAGGTCAAAATGCAGATCTTCGTGAAAACCCTGACC
GGCAAGACCATCACCTGGAGGTGGAGCCAGTGACACCATCGAGAACGTGAAGGCCAAGAATCCAG
ATAAGGAAGGCATTCCCCCTGACCAGCAGAGGCTCATCTTTGCCGGCAAGCAGCTGGAAGATGGCCGC
ACTCTNTCTGATTACAACATNCAAAAGAGTCGACCCTGCACCTGGNCCTNCGTCTGAGGGGGGNATGC
ANAATTTTCGGAACCCNNTGACGCAGACATCACCTGGAAGGGAGCCCANGACACCACGANAAACGGAA
GCCNAAATCAGATAGAGGCATNNCCCCGACACAAGCTCATCTTGCGCAGCACTGGAGAGGGCGCTCTT
TGATACACANCAAAAGGCGACTGCCCGGCCTCGCGAGGGGGAGCAATCTCGAAACCGACGCAGACAT
ACTGAGGGGGCAGCACACCAAAGAAGCAAACAAAAAAGA

>'000203a-076.scf' came from CONTIG 65 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-076.scf"(45>598)

GCACGAGGCCTTCATCCAGCACCTTCCCCTGAGTGAGCGCATCCGGGGCACCGTCGGACCAAAGAGCA
AGGCAGAGTGTGAGATTCTAATGATGGTGGGCTGCCCGCTGCTGGCAAACACCGTGGGCCATCAAA
CATGCAGCCTCCAACCCCTCCAAGAAGTACAACATCCTGNGTACCAATGCCATCATGGATAAGATGCG
GGTAATGGGCCTACGCCGTACGCGAAACTACGCCGGCCGCTGGGACGTCCTGATCCCAGCAGCCACTC
AGTGCCTCAACCGTCTCATCCAGATTGCTGCCCGCAAGAAGCGCAACTATATCCTANATCAGACAAAT
GTTTATGGGTGAGCCAGAGACGAAAAATGAGACCATTTGAAGGCTTTCAGCGCAAAGTATTGTATTT
GTNCCNACTGATGAGACTGNAAGACGAACAATAAGCGACTGACGAGAAGGAAGGAGTCCNANACAC
GCGTCTTAAATGAAAGCACTTCACGTGCCGATGTGGGACTTCTGGAGAGNGCTGTATGAGCTGCAG
GAAAGGAGCGAC

>'000203a-077.scf' came from CONTIG 66 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-077.scf"(46>306)

CACGAGGGGAATCTTGTCTCTCCAGGTCCGCCAGTTTAAAGCGCCTTTATGAACATATTAAAAATGACA
AGTACCTTGTGGGCCAGCGCCTCGTGAACATGAACGGAAATCCGGCAAACAAGGCACATCACCACC
ACCTCCACAGTCGTCCCAAGAATAAAGTGGTTGTCTCCACTACCTTGGCCTTCCCCTTGCTTCACGTG
TCCTTTTTTGTGGACTTCTCTCTCTGGAGATTTCCTCCAGTGATCTCTCAGCGTTGTT

>'000203a-078.scf' came from CONTIG 67 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-078.scf"(39>281)

CTAGTCTGAGTTTTTTTTTTTTTTTTTTTTTTTTTCTGTACTACTATCACTATTCTCAGGTGGGTTT
TTGAGAATGAATGTGCAGAGTTTATGATGTGTGTCAAGCATGCCTCGATAGCCACAGGCTTTACAAAA
ATTACCTATTGTTTGCTTCTTTGGATTGACATGCAAAATCTGTTTCATGATTCTCACACTCACGACAGAA
AACAAATTTTTTATGAATCCATCCACCATGCTT

>'000203a-079.scf' came from CONTIG 68 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-079.scf"(16>24)
ACAGGGATC

>'000203a-080.scf' came from CONTIG 69 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-080.scf"(38>623)

NAATTCGGCACGAGGCAAGCGCCTGCTGGAGCCCCCGTGCTCCTTGCACTTGAACCTCTATGGGGTTTG
GTGGGCAGAGGCTCAGGAGTCCCCTGGATTTCCCAGCTGGTATCCTGGGACGTGGTAAGCCTTGGGG
CTGGGGTAGCATGGGATCCCCGAGGACCCANATTCTGGTACTNAGGGCAAGGNGAGGNGAACCCGN
ACCTCANCCGTCCCCAGTCTACAGCCTGAGCCAGTGTGCTCCCAGCTCCCCANTCCNCATGAAGCCT
GCCGGNGGCTGGCAGNAGGGNTTAGAGGNNCTGGCCTTCGATTCTTTTCTGTGCGCGTGCTTTACCC
GCTTCTGCAGCTTTGCTCTGGCCTGATGATCGTGCTTTGTTCTGTACTGTAACTGAGCATGCCACA
TTTGTGAAATGTTGTTCAAGTGTAAGCAAGGAGAGGTCCAATTGTGATGGGGATGGAGGCATGGACT
CTGCTTCTATCCTTCTACTTATCTGAAATGTTGCTTCTGCTGTTGGATTATTATACAGGGCAACCTATAC
AGCGAAAAAAAAGGCAAAAAATTCTCTACCACGAGA

>'000203a-081.scf' came from CONTIG 70 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-081.scf"(41>563)

CTCCAGTTACCTCTGCCAGTACCGCTGTGTCAACGAGCCGGGCCGCTTCTCCTGCCACTGTCCACAGGG
CTATCAGCTGCTGGCCACGCGCCTGTGCCAAGACATTGACGAGTGTGAGTCGGGTGCGCACCAAGTGTCT
5 CTGAGGCCCAGACTTGTGTCAACTTCCACGNGGCTACCGCTGTGTGGACACCAACCGCTGTGTGGAG
CCTTACGTCCNAGTGTCCGACAATCGCTGTCTCTGTCCGGCCTCAACCCCTGTGCCGGGAGCAGCCCT
CATCATCGTGACCGTATATGAGCATCACCTCGAGCGGAGCGTACCGCGGACGTNGTTNCAATCAANC
ANCNNTCGTCTACCTGTGCTACATGCTTTCAATCGTGCTGTAACTCGCAGGAACTCTACATAGCAATCA
10 CATGCACGCTGCTGTCTCGCTCGGCTGGACGGCCCCGGATACGGCTGACTGAGAGTCACTTACTCTCTG
ATACGGCACTCTTTTGAATACGCTTGGGGCTACTTTGGGGGGG

>'000203a-082.scf' came from CONTIG 71 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-082.scf"(48>533)

GCACGAGGGCCTGCTGCAGCCCGGCTGCCAGCTGGAGTCCCTGTGGGTGAAGTCCTGCGGGTTTACGG
15 CCGCCTGCTGCCAGCACTTCAGCTCTATGCTGACCCAGAACAAGCATCTCTTGGAGCTGCAGCTGAGC
AGCAACCCGCTGGGCGACGCGGGCGTCCACGTGCTGTGCCAGGCCCTGGGGCCAGCCGGCACTGTGCT
GCGGGTGTCTGGGTGGGCGACTGTGAGCTGACGAACAGCAGCTGTGGCGGCCTGGCCCTCACTCTGC
TGGCCAGCCCCACCTGCGGNAGCTGGACCTGANNCATACGGNCTGGGCGACCCCCGCGTCTGCAGCT
GCTGGGGCAGCTGGAGCACCCGCTGCAGCTGGAGCACTGTCTGTGACTCTATGGACCGAGCATGGA
20 CGACGCTGCGGCTGTGGAGAAAGCAGCTGGNCTGCGATCTTTCTGACCCGTCCCCAGNGCGTNATGAA
AAGTNCATCA

>'000203a-084.scf' came from CONTIG 72 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-084.scf"(47>388)

GCACGAGGCACAGTAGCATCACTTCAGAAAGGAGCCAGACTTATTCTCAAAGAAGTATGTTACACTT
25 TTCAGCAGAAATAGCGATGGTTGTAACATATGTATCCCTCCCTCGGATTTGAAGGCACAATCTACAG
TGTTTCTTCGCTTCTTTTCTGATCTGGGGCATGAAAAACCAAGATTGAGATTTGAACTATGAGTCTCT
GCATGGCAACATAATGTGTGTACCCGTACAGCCAAACAGCCAGCCCTGAACGGTGGNTTTATTACTTG
30 TGTATTTGTGTTGGATGATAAACACTCATCTCTCTCTGTAGTCCCTGCTCATTTCACCTAACCCCTAN

>'000203a-085.scf' came from CONTIG 73 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-085.scf"(9>658)

CGCTCTATACTAGGGATCCCCGGGCTGCAGAAATTGGCACGAGGGGAGCTCCGCATCCACACCGGCCAG
35 CCCAGATCCCCGAGGTCTGACAGCGCCCGGCCAGATCCACAAGCCTGCCAGGAGCCAGCCGAGAGCC
AGCCGGCCGCGCGCTCCTACCCCAGCAGTCTCTGTCTTCGGCCTGAGCCCCGCGTCTTCCCGGGACC
TCTGCCCTCGGGCAGTGCTGCCACCTGCGGCCATGGAGACCCCGTCCCAGCGGCGCGCCACCCGC
AGCGNGCGCAGGCCAGCTCCACCCCGCTGCCACCCACCCGCATCACCCGGCTGCAGGAGAAGAAGA
CCTACAGGAGCTCAATGACCGNCTGGCTGTCTACATCGACCGTGTGCGGGCGCTGGAAACGAAATGCA
40 GTCTGCGCCTCGCACACTGATCTGAGAGGGGGCAGCCGGAGGGTCTGGCTTAAGCCCGCTCCAGCCGA
CTGGGGAGCCGCCAGACCTGACCGTGGNCAGACGCGCCGCGCGGACGACAAGGGAAGAGTCAGG
ACCAGCACGCATCAAAGAGGAACGAGGCCAGCCGCTAGACGAGGCGTCACCAGAGCGGCGGCTGTT
AGAAGCCGGGGGACGGACGGGGAGGCATGGGCCCCGGGGCAAC

>'000203a-086.scf' came from CONTIG 74 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-086.scf"(48>633)

GCACGAGGATGAATTTTCACTGGCCCTTCGGCATCTGGTTGTGCAAAGCCAATTCCTTCATTGCCAGT
45 TGAACATGTTTGCCAGTGTCTTCTCTGATGGTGATAAGCCTGGACCGCTATATCTACTTGATCCACC
CGGTCTTATCTCATCGGTACCGTACCCTCAGGAACCTCTGATTGTTATTATAGTTGTTGGCTTTTGGC
TTACTAATGGGTGGGCCAGCTCTGTACTTCCGGGACACTCTGGAGTTGAATAACCACTCTTTGCTA
50 TAACAACCTTCCATGATGTGGACCTCAGGTTGNTGAGGCATCATGTTCTGACCTGGGAGAAAG
TTATTGTTGGGTACCCTCTCCCTCTGCTAACAAGAGCATTGCTACTTGGCCTCATCTCAAGAGAAGAA
CGAGCACCTGTACTCAGAAGCCTCCTGACCACCCGGCGNGNCATGCCTTNCGATTGCTGAATCCTAT
CACTGTTACATTGGAACCACGACCACATACTATTACCAAGCTACAGCACACCCCTTCACGCCGNG
55 TTCTCAAATGCTGACCCCCCTTACCCGATATAAAAG

>'000203a-087.scf' came from CONTIG 75 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-087.scf"(46>645)

GCACGAGGATTTAATATTGTGGAGGGTGGGGCTTCCAGGTGAATACAGTTGCTGGTTGCTGAGCCATG
 CCCAACTCTTTGCAACCCCATGGACTGCAGACCGCCAGGCTCCTCTGTCCATGGAATTGTCCAGGCAA
 5 GAATACTAGAGTGTGTGGCACTCTCTTCTCCAGGGTATCTTCCGAATATAGGGATCAAACCTGGATCC
 CCTGGATTGCAGGCAGATTCTTTATCCTCTGAGCCACCAGGGAAGCTCCTAGTCACCCTAAAACCTCCA
 AATTCTTAAAAAAATTACCCTATCTACTTCCACCCCACTCTTCTCTCTTTTGGTGTCTTGATTT
 TTGCTTTTGGCTCTGCCACTGCATCACATCACCTCTTCCAGCCTGACTATGAGTCGCCTCAGACTCAGA
 GCAGTTCACTCACGAATCTTGGCTTGACCACATACTCTCGNACTTGGCTCTGACTGCTTTTTTTATTGTT
 10 ATTCGACATCTCCACCCGCGAGATCTTTTGGACAGCCTTGTATAACATCTGTTATACCTTTTGTACGCT
 ATTTGGGAAAAATAATTAAGGGGCTCCCCAAAAAATTACGCAA

>'000203a-088.scf' came from CONTIG 76 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-088.scf"(19>21)

15 TAT

>'000203a-089.scf' came from CONTIG 77 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-089.scf"(1>428)

AGGTGGCGGCGCTCTTATTATGGATCCCCGGGCTGCAGAATTCGCACGAGGGAGGCCTTTCGGCCGC
 20 AGCCATGGCGCCAGCCGGAATGGCATGATCCTGAAGCCCCACTTCCACAAGGACTGGCAGCGGCGC
 GTGGCCACGTGGTTCAACCAGCCGGCTCGCAAGATCCGTAGACGCAAGGCCCGGCAGGCCAAGGCGC
 GCCGCATTGCCCCACGCCCCGCGTCCGGTCTCTCCGGCCGGTGGTGAGATGCCCGACGGGTTCAGTAC
 CACACGAAGGTTCTGTGCCGGCAGGGGCTTCAGCCTGGAGGAGCTAAGGGTGGCCGGCATCCACAAGA
 AGGTGCCCGGACCAATTGNNGATCTCGTGACCCGNAGCGCGGANCAAGTGCACGGAGTCCCTGCAGG
 25 CCACGTGCAGCGCTCAAGGAGTAN

>'000203a-090.scf' came from CONTIG 78 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-090.scf"(42>591)

NAATTCGGCACGAGGGGAAGTGATAATTTCTGGCCACTGCAGGTGCCAAGTACGGCGTGGGCTTCT
 30 GGAGGCCTGGCTCTGGAATCATTACCCAGATCATTCTGGAAACTATGCGTACCCTGGGGTTCTTCTGA
 TTGGCACTGATTCCACACCCCTAATGGCGGTGGCCTGAGAGGCATCTGCATTGTAGTCGGAGGTGCT
 GATGCCGGGNACGTCACTGACTGGGATCCCCTGGGAGTTGAAAGGGCCCCAGGTGATTGGGCGTGAAG
 CTGACAGGCTCCCTCTCTGGCTGGACCTCACCTAAGATGTGATCCTGAAGGTGCGGGTATCCTCACAGT
 GAAAGGTGGCACGGGCGCCATCGGGNAGTACCACGGGCTGGAGTAACTCCATCTCTGCCCCGCATGC
 35 GACCTCTGCACATGGTGCAGAATCGGCCACACTTGTGTTCCCTACACACAGAGANAATACTGACAGA
 CGGCGGCAATATGCACCTGTGAGATTAAGATACTGTACTGCTTGCTGCCTTACAATTATATTACCTAG
 GCGA

>'000203a-091.scf' came from CONTIG 79 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-091.scf"(41>338)

TAATTCGGCACGAGGCCCCCTTTCATCACCAACCCTGGGTATGACACTGGAAACGGTATTCATCTTCCCG
 40 GCACTTCTGGGCAGCAGCCAGTCTTGGGCAACAAATGATCTTTGAGGAACATGGTTTTAGGCGAACC
 ACACCGCCACCACGGCCACCCNCGTAAGGCATAAGCCAAGACCGTATCCGCCGAATGTAAATGAGG
 AGATCCAAATTGTTTCATGTCCCCAGAGGAGACGTAGACCATCATCTCTACCCTCACGTTGTGGGACTC
 45 AATCCAAATGCTTCTACAGGCCAAGA

>'000203a-092.scf' came from CONTIG 80 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-092.scf"(47>391)

GCACGAGGCAGCCGAGGACAGCCAGCAGGACCTGCCTGGGGAGCGCCACGCCCTCCTGGAGGAAGA
 50 GAACCGGGTGTGGCACTGGTGCAGCCACGGACGAGGTGGACGAAGGCAAGTCCAAGTGCAGGACG
 GTGAAGGAGAAGGAGCGTACCAAGGCCATCACCGAGATCTACCTGACCCGCTGCTGTCCGTCAAGG
 GCACGCTGCAGCAGTTCTGTGGACAACTTCTTTTANNAGCGTGCTGCGCCCGGGAACGCGTGCCACCG
 GCGTCAAGTACTTCTTCGATTTTCTNCTGNACGAGCAGCAGAAAAGCATGACATTANAGATGNANGACA
 CCNATTNC

55

>'000203a-093.scf' came from CONTIG 81 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-093.scf"(44>356)

CAAAAACCGAAGTGACGGGAGGTGCTGCGCTCCCCTGCGTCGTGGCAAAGTCAGCTGGCCTCTTGTG
TGTGCGTGTGTGCGTGTGAGGAGCCGAGTGTGGGTGTGTGGCGGGCGTGGGAGCAGCTTTCTCACATA
GTGCCTTATACACGCTCTAAAGAAACCAAGTCTTACATGTTAAGAAACAACCAAGTGTACATTTTCTACAC
TACCTTNCATTTTCAAGTAGCTTTGATGACCAGTTTTCAGTTTCATGGAGGAAATCATGGNNGCGTCCCAA
GGGGCTCCCCATGCCCCGAGAGCCGACTGGTCNTGTGACG

>'000203a-094.scf' came from CONTIG 82 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-094.scf"(40>373)

GGGTTTTTTTTTTTTTTTTTTTTTTGTAATAAATAAAAAAGTTTATTAACAAGGAATGCACTTTTCCAGCCAC
AAGTGTCTTCAAAAATTAACAAAACAAAAAAATATATATATGGCCATAGTTTACAGTTAAGCAGCCCA
AAAGCTGCTCCAATTATAGCCTTTAAACAACATGTGAGCATCCTCCCTTTCCCTCCCTTTCAGTAAGTA
TATTCACAGCTTCAAGTCTCTGTCCGAAGCACTCTCCACAGAGAGAAGTTAAGAGTCAATGCACCTTT
CTGCAAAATTGTCTGAAAAGCTTTANNAACAGTACGTCAAGGAAACTGCTTCGGNTC

>'000203a-095.scf' came from CONTIG 83 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-095.scf"(42>489)

CGACAGCCTAGAGGGCTTCGTGCTGTGTCACTCCATCGCTGGGGGAACAGGCTCTGGCCTGGGCTCCT
ACCTCTTAGAACGGCTCAACGACAGGTACCCCAAGAAAGCTGGTGCAGACATACTCAGTGTTCCTCAAC
CAGGATGAGATGAGCGATGTGGTGGTCCAGCCCTACAACCTCACTGCTCACGCTCTAGAGGCTGACCCA
NAACGCCGACTGTGTGGTGGTGTGCTGGACAACACTGCCCTGAACCGGATCGCCACAGACCGCCTGCACA
TCCAGAATCCCTCATTCTCCCANATCAACCAGCTGGTGTCCACCATCATGTGAGCCAGCACCACACCCT
GCGCTACCCCGCTACATGAAACACGACCTCATCGGCCTCATCGCCTCGCTTATCCACGCCACGCTNC
ACTTNCCTGACTGTTTCACCCCTCCACAGNACAGCG

>'000203a-096.scf' came from CONTIG 84 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-096.scf"(43>460)

CATCAGGCTCGAGGGCTCTGTTGTGCGGACTGCTCCCCCTGGACCCTCTGGTTTCTCTGGGCCCTCTGA
CCTCTTTGATCCTGCTGGTAAAGAAGGGCTTCGTGGGCCTCGTGGGGACCAAGGTCCAGTTGGTTCGAA
GTGGAGAGACAGGTGCCTCTGGCCCTCCTGGCTTTGTTGGTGAGAAGGGTCCCTCTGGAGAGCCTGGT
ACTGCTGGGCCCTCTGGGACCCAGCCCACAAGGCCTTTTGTNGCTCCTGTTTTCTGGGTCTCCCAG
CTCTACAGTGAGCGCGACTACACGTGTGCTGATCTGTGGAGGGGTTGACACCTCTTTTCTCGTTACAT
ATAAAAATGTAAACCTGCCTTAACTGGACATATGACCTGATACTCACTTATATTTTTCTGGCTTTCTTA
ACAAA

>'000203a-001.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-001.scf"(45>465)

GCACGAGGCTGTTTTATATTCGCCCATTCAGTCCATTTTAATTCTCTGATTCTTAATATGTTGATGTTT
ACTCTTGCCATCTCCTGTTTGACCACTTTCAATTTGCCTTGATTTCATGGACCTAACATTCAGGTTCTG
TGCAATATTGCTCTTTTATCATCAAACTTTACTTCTATCTAATTACATCCATAACTGGGTGGTGTGTT
TTTGCTTTGTTTTTATTCTCTTCTTTTGGAGTATTTTCCACTGATCTTCATTAACATATGGGGCAC
CTACCGACCTGGGGGGGTGATCTTTTCATGTCTTTCTTTTGTCTTTTATTCTGTTATGGGGTTTCAAGC
AAGATATGAAGAGTTTGCTTTCTTTTCCGGGACACGTTTGTGAGATCACACAGACTGCCGCTGGGGTT
G

>'000203a-002.scf' came from CONTIG 2 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-002.scf"(48>297)

GCACGAGGGATTCTTATACTTTCTGAGGGAGTTTAATGACCACTAGAGCTTGTCTCATATTTTTTTTCA
GCTTAATACTGTATGTCTCGTAAGATGGGCCTTATTGCCTGTATTCTTTGATATGTGATTAAAGCCTATA
GCTTTCAGTGACCAAACATTTTACAGAGTAAAAAATGTTAGGAAGCAGAAAAAGAAAATCTGATTAT
TCTATGTCTCATTTATCCAGCCCTGCACTTAGATAGAAGTGTGC

>'000203a-003.scf' came from CONTIG 3 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-003.scf"(40>551)

TTTTGACAGAGAACATTTTTCTCACATACACTTTCAGAGTCAAAGCTGTGGATGGGGGAGATCCCCC
AGATCTGCAACAGCCACGGTCTCTCTTTGTGATGGATGAGAATGACAATGCTCCCACTGTCCACCTT
CCCAGAAATATTTCTACACTTTACTGCCACCTTCGAGTAACGTCAGGACAGTAGTAGCTACGGGGT
GGCAACAGACAGTGTATGGCATCAATGCAGACCTTAACTACAGCNATGGGGGAGGGAATTCCTTC
5 AAGCTGTTTGTGATTGATTACACAGTGGGNGGGTTTCTTAAAGGAACTCACCCAAAGCATTATGGC
TTGCACAGGNTGGTGTGCCAGNGATGACAGGGGCAGCTTCCCATCTACACGATCTGTGCTGTGTTGTC
ATGAAAGGTTCTAAGCACTGGATGACTCCCAAAGCAAACTGCCNCCCCATCACCAGAATATACGGG
ACCAGCTATAATTACACAAAATAATGTTTGGGGGGGG

10 >'000203a-004.scf' came from CONTIG 4 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
004.scf"(43>365)
GCACGAGGGCCCTTTGACGTTCCGGCCGCGCGCCCCGCGCCTCGTCGCTATGCCTCGCAAAATTGAGG
AAATCAAGGACTTTCTGCTCACAGCCCGCCGCAAGGACGCCAAGTCCGTCAAGATCAAGAAAAATAA
GGATAATGTGAAGTTTAAAGTTCGATGCAGCAGATACCTTTACACCTTGGTCATCACAGACAAAGAGA
15 AGGCAGAGAAGCTGAAGCAGTCCCTGCCCCCGGTTNGNNNCGTGAAGGAGCTGAAATGAACCACGC
ATGCTGCTTTGAACTGTATTAAATTTTTTAAATTCTCAAAAAAAAAAAAAAAAAA

>'000203a-005.scf' came from CONTIG 5 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
005.scf"(45>563)
20 GCACGAGGCCAAGAATACAGTCACCTGCAGCCGGGGGACCACCTGACTGACATCACCTTAAAGGTGG
CAGGTAGGATCCATGCCAAAAGAGCTTCTGGAGGAAAGCTCATCTTCTATGACCTTCGAGGAGAGGGG
GTCAAGNTGCAAGTCATGGCCAATTCACGAATTACAAATCTGAAGAAGAATTTATTCGTATTAACAA
CAAAGTGCGCCGNGAGACATAATTGGAGTCCCAGGCANTCCCTGGAAAACCAANAAGNCGAGCNT
AGCGTCATCCCCTATGAAATCACACTGCTGTCTCCTTGCTGCACATGTTACCTCATCTTCACTTTCCGC
25 TCAAAGACAAGGAACACCGTATCGTCAGAGATACTTGGACTTGATTCTGATGACTGTGAGCAGAAGT
TTATCTCCGCTCTNATAATCACGTTTATNAAGTTCTTGNTGAATGGNNATTCTAAATGTAACTCCAT
GAGAACATCATCCAGGGNAGCTGTGCTAGCTTTACACTACAA

>'000203a-006.scf' came from CONTIG 6 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
006.scf"(47>562)
30 GCACGAGGGTTTAATTAGTGTACAAGGAGGCTTCAAGAGGGCTTCTGTGGTGACCCCGTGGTAAAGCA
TCTGCCTACCAGTGCAGGAGACTCCAGTTCAGTCTGGTCTGGGAAGATGCCACACACCCGGGGGAAAC
TGAGCCCATGTACCACAACTGCTGAGCCTGTGTTCTAGAATCCGGGGAGCTGGCAGGAGAAGTCACAG
CAATGAGAAGCCACACACTACTANAGAGTAGCCACACTCACCACACAAGGCTTNCCTGTGCTCAGT
35 TGTTAGGAATCTGCCTGCATGGCGGAGACCTGGGTCGATTCTGCTCGGAAGATCCCTGGAGAAGGAA
AGCTACCTGCCGGAGCCACACGGAAGACCCACCTGACAGTCTGTGAAGAACTGAGAGCAGGGATAAA
CTAGGATCCTTGATTGTCAACTCTATCAAACAACTCTTCTGTTTTGTTTGCTTCACACTTCTGCGTGCA
AGCTTTCCGCCCCCTTTTNAATAAATAATTTATTATATT

40 >'000203a-007.scf' came from CONTIG 7 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
007.scf"(32>465)
GCTGCAGGAATTCGGCACGAGGCTAGTTTCTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCCTTTTC
TTCCACTTTATTTTCATATTTCCACCACAATAATGACTCCTTTAATTTAACTAAAAACCATANAGGGTT
CCCTGAAATTTGTGGCAGCAAAGGAATGAAAGTGTCAAATACCGAGGGACAGGTGGGGTGGGGAATCA
45 CCGAATCGTCTCACTGGGCTCTGAAGTTGCTGGCGGCTGAAGCTGCAGCTGGTAGGGCATTGATGGT
ATCTGAAACCGAAAGCCTGGGCCAACCTGGTGGCGGCCCTTGGCCGGTACTGGGGTGCACATGAAA
ACATTGAAGGACCCGCGCCGAGAAAGCGCCTCCGGGGGGGGGCTGTTGATTGGGGGTACACCCCTCC
CCTGGGAAAAAATTTCCATGGCT

50 >'000203a-008.scf' came from CONTIG 8 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
008.scf"(39>747)
CAAAATGTCTTGAAATGATATTACCATAATTTTAAAGTAGGAAAGTTACCTGAACACTTCTGCTTCCACT
TAACTGACTGGCCCGCAATATTGTAGGAACAGCATGTCCTTTGTACTGTGGTATTGAGAACAGCCACA
GCACTCACTTTTCCAAATGATTCTAGTAATTGCCTAGAAATATCTTTTCTTACCTGTTATTTATTAAT
55 TTTTCCCATATTTTATATGAAAAAAATTTGATTGAAGATACTTAGTATGCAGTTGATAAGAGGA
ATCTGTTCTAATTATGTTTGGTGGATTATTTTATACTGTATGTGCCAAAGCTTACTACTGTGGAAAGA

CAACTGTTTAATAAAGAATTACTTCCCAAAAAAAAAAAAAAAAAAAAAAAAAAATAACCGAGGGGGGCC
CGGTCCCCATCGTCCTATGGGAGCGTTACCATCCACGGGCGGCGCTTACAGCNCGGACGGGAACCCGC
CGTCCCCACCTACGCCTGCACCCACCCCTTCCCGTGGGTAAAGGAAAACCCACCCACGCCTCCACGT
GCGCACCGAGGCGAGGAAAGAAGGGTAATTTGTAATCGTAATTTTTATATATTTTTACATGCCAAGCC
5 ATCCTTAAAAAAAAAAGAAGGGGGGGGTGTGTAAAACTCTTAAAGCCCCGAGAAAAACCTAGGGC
CCCCCCCCCTCTTTGGGGGCGAC

>'000203a-009.scf' came from CONTIG 9 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-009.scf"(37>606)

10 TAATTCGGCACGAGGCTCATTTTTCCATCTCTTATGAGGACACACATCACTGAATTTAGGTTCTACCTT
AAGTCCAGAATAATCTCATCTTGAGATCCTGAACTTATCACATTTGCAAATTCAGAGCCAGGGAA
AGCTGAGCAGTGACTGCTAATGGAACAGGGTTTGCTTCGAGGGTGATGAGAGTGTTACAGGGGTAGAC
AGGGATGCTGTTTGTACGACTCAGTGAATATACTAAAACCCNAGGGATTGCATGCTTTAAAGAAGAAG
CTTAATGTTTGTGAAATTAGTCTCAATATAGCTGTTATTTTTAAAAGAGCCTGGCTCGGGGAGCCATCA
15 ATCATACTGCTATTTTTATATCGATGTGCCAGCAGAAGTATTCTTAAATCTTTATGACACTGTTTACTT
TTGGCTGTCTCCACCTGGTTTAAATACATTGAACAGAACCCAGNGAAAGCCTATGGTACAGGGAGAG
CCCCGCTTTGCCATGAGGGATAGAATTGGTGATGCCAGAGATTCCAAGAATTTGTGAAAAACCACT
CCGGGGCCGGGTAACCTTCTCCG

20 >'000203a-010.scf' came from CONTIG 10 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-010.scf"(44>427)

GCACGAGGAGAGAACTAGTCTCGAGTTTTTTTTTTTTTTTTTAACTGAAGGAAAATTTCTTTACAATG
CTGTGTTGGTTTCTGTCATACCAACGTGAATCAATCATAATTATATTATATATCCTGATGGCACATGTT
AAGAATGCATTTTCTCGTTTGAACATTACTGAGTTGGGAGATATGCAGGTTATGGATTAGTCTCTCTTG
25 TGACTIONGACTTAACTAAAATTCAGAAAGATACAGCCATTTACCTACAGTCCTCCAGTTAAACATGG
CAGACCTGAGCCTANAACCCAGTTTGCTCATTTTACTCCAGTATCACCCAACTATACCTAAAATGTTT
CCTCTGCAGATACTATTCAAAGCACTTTATTTATTTCTAT

30 >'000203a-011.scf' came from CONTIG 11 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-011.scf"(31>278)

CTGCAGAATTGACACGAGCACCCCTCTCAAGACCGAGCTGCTGCGGCCACACTCCTACAGTCTGTGCAA
GCCCCCGAGTTCACCCCCAAGTCTGGAGGGAAAGAACCATGTCTGTGACCAGCAACTGCAAAGAGCCA
ATGCCTGTGTGGTTGACAGCCGGCGTGGAGATCTCATAGCTACTCTTGCCACTGCCCCGACAGCTCCCTG
GCTCAAAAATTACCTCATCTACTTGATAAGGATGATGTACACC

35 >'000203a-012.scf' came from CONTIG 12 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-012.scf"(1>719)

TGATGCCTTCTAATTATGGTTCCCCCGGGCTGCTGGTGAGACCTGTGTATACCCCACTTTGCCCTGTGT
GGTTCCAGAAGAACTGGTATATCAGTAAGAACCCCAAGGAAAAGATGGCTCGTCTGGTACGGAGAGA
40 GCATGACCGTTCGGATTTAGTTCGAGTATGGCGGCCAGGGGTCCGATCCTGCCGATGTGGCCATCCAG
CTGACTTTCTGCGCCTGATGTTACCGAGGGTCTTCATAACATCACCTACCACTGCAAGAACAAGA
GTGGCCTACATGGGACCAACTGACTGGCAACCCCTCAAGATGCCCTGCTCCTCCAGGGCTCCAACGAAG
TACGAAATCCGGGCCGAGGACAACAGCCGCTCCACTACAGCGACACCTAAAATGGCTGCACGATCAC
ACCGGACCCCTGGGCAAGAAGAGACGAATACAAACACCAAACTCCGCTGCCACATGATGGCCCCCTG
45 AAGTGGCGCCCATACAGAATTCGTTTCGAGTGGCCGCCTGTTCTGAACTCCTTCCCCACCGCTCCTCACC
AACCTGCCCCGACTCGAAAAACAACCAACGAACCCAAAACAAAAGGAAAATCACAGCTGAAAATTT
TCTGCTTTCTTAATTTTATTTACACAACTACAACAAAGACACTCAAAAAAAAAACAGGACGCCCCCCC
TAGGCATAATATCGGTTACGGAGGACCGCCCCCTCCTCCC

50 >'000203a-013.scf' came from CONTIG 13 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-013.scf"(284>351)

ATGAAGCGTTATATTTTGTAAATTCCGTTATATTTTGTAAATCACCTCATTTTTTACCCATAAGCGC

55 >'000203a-015.scf' came from CONTIG 14 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-015.scf"(1>680)

>'000203a-065.scf' came from CONTIG 25 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-065.scf"(1>665)

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GTGGCGCCCTCTAAACTATGGATCCCCGGGCTGCAGGTGGACTACACCATCACTGTCTATGCTGTCAACC
5  GGCCGGGGGACAGCCCGGCAAGCAGCAAGCCCGTTTCCATCAATTACCGAACAGAAATTGACAAACC
  ATCCAGATGCAAGTGACTGATGTCCAAGACAACAGCATTAGTGTCAAGTGGCTGCCTTCAAGTTCCC
  CTGTTACTGGTTACAGAGTGACCACTGCTCCTAAAAATGGCCAGGACCATCGAAAACGAAAACCTGTA
  GGTCCAGATCAAACAGAAATGACAATTGAAGGGCTGCAGCCACAGTGGAGTATGTGGTCAGTGTCT
  ATGCTCAGAATCAAAACGGAGAGAGTCAGCCTCTGGTTCAGACAAGCGTTACCCACCATTCTGCACC
10  AACCAACTGAAATTNACTCAGTGACACCACCAGCTGACTGCCAGGACGCACCNATGTCACTCACTGGT
  TCGAGGCGGNGACCCGAGAAAGACGNACGAGAAGAATCACCTGCTCTGAACTATCGGTTGTTTCAGAC
  TAGTTGCACCAATGAGGAGGCTTGCTTTAGACCTGACACAACGCTAGGAGGTCAATTGAAAGCACTCA
  AAGGCCGGGAAAGTTGAACACTCCTTATGAACAAATGAAAACGGTCACTGGCTCC
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>'000203a-026.scf' came from CONTIG 25 at offset 40;"E:\SEQUENCE\export\EST_db\000203a\000203a-026.scf"(38>628)

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AATTCGCACGAGTGTCTATGCTGTCCCGGCCGGGGGACAGCCCGGCAAGCAGCAAGCCCGTTTCCATC
AATTACCGAACAGAAATTGACAAACCATCCCAGATGCAAGTGACTGATGTCCAAGACAACAGCATTG
  GTGTCAGGTGGCTGCCCTCAAGTTCCCTGTTACTGGTTACAGAGTGACCACTGCTCCTAATAATGGCC
20  CCAGACCATCGAAAACGAAAACCTGTAGGTCCAGATCAAACAGAAATGACAANTGAAAGCTTGCAGCC
  CACAGTGGAGTATGTGGTCAGTGGCTATGCTCAAAATTCAAAACGAGAGAGTCAGCCTCTGGGTCAA
  CAGCGGAACCACTTCTGCAACCCACCTGAATTACTCAGNGAAACCAACAGCTGACTGCCCAGG
  NACGCACCACTTCACTCACTGTTTCGAGGCGGTGACCCGAAGAGAGACGNACGAGAAAAATCACCTG
  CTCTGAACTATCGGGTGATAGACTAGTTGCACAAATTAGGAGGCTAGTCTAGACCTGAAGCAACGCT
25  CAGATGTACATTGAAAGAGCCTCAAAGCCGGGAAAGCTTGAACCTACA
```

>'000203a-027.scf' came from CONTIG 26 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-027.scf"(30>646)

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CTGCAGAAATTCGGCACGAGGAGCGAGTCCTGTTAGGTGCGCGTGGAAGTACAGGTCATGGCTGCGCC
30  CGGTCCAGCGCTCTGCCTTTTTCGACGTGGACGGGACCCTGACGGCCCCGCGGCAGAAAATTACCAAAG
  ACATGGATTGCTTTCTGCAAAAACCTGAGGCAGAAAATCAAAATTGGTGTCTCGGCGGGTTCGGACTTT
  GAGAAAGTACAGGAGCAGCTGGGAGATGACGTTATTAATAAATATGATTACGTGTTTCCAGAAAATG
  GCTTGGTAGCATACAGAGATGGGAAACTCTTGTTGTAACAGAATATTTAAGGTACCTGGGTGAAACC
  CTAATCAAGATATATTCCTACTGTCTGAGCTACATCGCGAAAAATCAGCTCCNGAAAAAAGGNCAC
35  TTCATAGAGTCCGTAACGTGAGCTGACGTGTCGCCGACGGAAAAGCTGCAGCAGAANAACCATGTATC
  TACGACTGTACAAAAGAAACATAAAACAAAGTCGGAGNATTGCAAAGATTGCTGTAAGGCTACGTTTCT
  AGAGNCAATCACTTATTCTCCCTAGCTGAACAATACGCTGGAACGGGAAGAAGATAAACTTATTTTTG
  GACAAC
```

>'000203a-028.scf' came from CONTIG 27 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-028.scf"(40>622)

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CACGTAGGGGCGACCGCAGGCCCTCTCCCGAGGAGCTGGACAAGGGCATCGACCCCGAGAGCCCCCT
GTTTCAGGCCATTCTGGACAACCCCGTGGTGCAGCTGGGCCTGACCAACCCGAAGACCTTACTAGCAT
TTGAAGACATGCTCGAGAACCCGCTGAACAGCACCCAGTGGATGAACGACCCGGAGACGGGCCCCGGG
45  CATGCTGCAGATCTCAGAACTCTCCAGACCCTGAACCGCACATATGCCGCGCACTGCAGCTGCCAGCC
  CAGAGAGCCTCTTCTTCCAGCCCAGGGGTGGGGAGAGGGTGCAGACCCCAAGGTGCGCCTGGGCTG
  GGGGCGGGGAGCAGGGGGGCTGAGGGGACCCTGCCCTGGGTGTGGCGCCAGGCCGCACTCCGCTG
  GATCTTCTGGAAGAACTCGGNGGCAGGGCCGGGTGGCTCCACCCCTGACAGGTTACGACAGGCGCCA
  CCGGGAAGGGGGCTCCTTCAGGCCCTGGCTCTGACGTATTGATTAACGAGCGCGCTGGAAGACCTGTT
50  TGAAGAAAGAAATGTCAACCAGTTAGGAAGGATAATGGGAAAAAAA
```

>'000203a-029.scf' came from CONTIG 28 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-029.scf"(35>595)

```
AATTCGCACGAGGTGATCCCTAAGTGGCCTGAAGATGGACAAAGGGAAGTAACAGGCACGTGATGTT
55  GGCAAGGATGCTTCTAGGGCTAGAGGATCAGTGGTGGGAGAGAGCTGCAGAATCCACCAGCCAGAAC
  TGCAGATAACGATATCTATGGTCAGGGGCTGTGACTGAGAGAAGGAACTGAGGTTGTGTTCTGAAAG
```

TACATAAACTCTCACATATACCCAGTTCTTCACCATCTTCCCTCCTCACTTTGCAGNGCCATTTTTTTTTT
TGCATTAGGCAAATTGCTCAGACTTTCCAGAGCCATGCCCATCCCGTCTCTGGAACCCCCACACCTCTG
AGAGTGGGATCACACGTCCTGCAGGGCTGCTCCCTCCAACCTACCTTTAGAGAGCAGGACAGGAGCT
GTTTCACCACAAGACAAAATCAAACGAGAGCAGACGGGTAAACAAANAAGACAGGGGCAATGTTTTT
5 TTGNGTTTTGTTTTTTTTTCCATTGGAGGTGACACAAAATTCAAGCTACAGTTCCCTCTCCCCCCCATT
TTTTTTTAAACAAANA

>'000203a-030.scf' came from CONTIG 29 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
030.scf"(36>676)

10 CTCATCCTACCATATAGATATTGGTACCCTTTATCTACTATTTGGTGCTTGGGCCGGTATAGTAGGAAC
AGCTCTAAGCCTTCTAATTCGCGCTGAATTAGGCCAACCCGGAACCTCTGCTCGGAGACGACCAATCT
ACAACGTAGTTGTAACCGCACACGCATTTGTAATAATCTTCTTCATAGTAATACCAATCATAATTGGAG
GATTCGGNAACTGACTTGTTCCTTAATATTTGGTGCTCCCGATATAGCATTTCCTCCGAATAAATAAAT
AAGCTTCTGACTCCTCCCTCCCTCATTCTACTACTCCTCGCATCCTTATAATTGAAGCTGAGGCAGAAA
15 CAGCTGAACCGNGNACCCCTCCTTANNCAGCAACCTACCATGCAGGAGCTNATAGAACTACCATTCT
TTTCACTTACANGAGTCCTCATTTTAGAGCATCAACTCTTACACAATACAACATAAGCCCCGCATGCCA
TACAACCTTGTGTTGATCGNATATACGCGACTATATATTGCTCTTTTACACGCACCAGCTTTAAACGA
ACTATCACTCTCACGCGAGAGAACTTTTTTACATTTTGTGTTTGGCCCGAGCTTTTTTCTGGGGGATTCT
TTGCCCTCAAAAAACAGTA

20 >'000203a-031.scf' came from CONTIG 30 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
031.scf"(13>195)

25 TACTATGGATCCCCGGGCTGCAGGNAGTTTTTTTTTTTTTTTTTTGTACAAATCAAGCATTTTATTACA
TAAATAAAAGCAGCACGCTTTTATTTTCTATTTAAATACCATACAGAGATTTAAATCACATTTGGCA
GTGGACTGCAGGATGCTCAGACTTCACCCACATCACNTTGGATT

>'000203a-033.scf' came from (F3, 033)
no description length

30 779GGCGCCCTCTAAATATGGATCCCCGGGCTGCAGGAATTCGGCACGAGGCCGGACCGGTGTCTTCT
CTGGAGGCTCCTCGCTGGTCTGCTGGGGGAGCCGGGAGGGCATGGCTGGCTGCCGAAAGAGACTGCGA
GACGGTGACCTGCTGTCTCTTTTCGGAGCGGGACGCCGCCGAGCTCCCCGAGAAGCCGGCGAACCC
TGGTCTGGGGCGGCCCTAGAGCCAGAGGCGGTGGGCGGGAGCGCGAAGCCCGCTCGCGGGTGCTGCTG
CTGTAGCAGGAATCAAGATGGTCAAGATCTCGCTGCTGAAGCGGCTCAAGGAACGCTCGTTGGCCAC
GCTGCTGGAGGGGGGAGACCCGCGGGGGGGCGGGCGGCTGCGGGCTGTGCCCGCCGCCACCTCC
35 CCTGGCGGCCACCCCGCCGCGCACTGGTGTGCGACCCCTCCCTGGCCCACCTCAGCCGCCGGGGCCC
AGCCCTGGCGGGGTCCACTCCCCCCCCCGAGGCCCGAGGGCCGCACCCACCCCTACCGCTCGGGGC
CAAATACCGCCCGCTACCTGTTTCCCCGACAACAACACGATTATTATCCCTTGCTAATGAAAAACG
CCCCCTTTCATCCGGAATCAACCACTGCCGCCCCACCACCTGGCGGGGCTGTACGGCGGGGGGCTCC
CTCCCCCCCCCATTTCTCTCTTTTTTTTCGTCTCATTACATTTGGGGGCTATATATATAATATATTATTA
40 TAGATATTATTTTTTTTTTCTATCTATATTTTA

>'000203a-034.scf' came from CONTIG 31 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
034.scf"(28>623)

45 GGGCTGCAGAAATTCGCACGAGGCTGTCTGCTCGTGGTGGAGATGGCAGTAGGATCATTTTTTGATGATT
TTCGAGAAGCGTACTATTGGCTTCGTCACAATACTCCAGAGGATGCGAAGGTCATGTCATGGTGGGAT
TATGGCTACCAGATTACAGCTATGGCGAATCGGACGATTTTAGTGGATAATAACACGTGGAATAATAC
CCATATATCTCGAGTAGGGCAGGCCATGGCATCCACAGAAGAAAAAGCCTATGAGATCATGAAGGAG
CTTGATGTCAGCTATGTGCTGGTCAATTTTGGNAGCCTCACTGGGATTCTTCAAATGACATCAACAAAT
TTCTGTGGATGGGCCGGATTGGAAGGAGCACAGATACAGGAAACACATACAGGACACGATATTATAC
50 TCCACTGGNGATTTCGNGTGGACCCGAGGCTCCCANCTGCTCACTGCTTTAGACAAAAGGGTACTAC
GATTGACAGGNTACCAAAACCACGGCCCTAGCTTTACCGGCCGGATGCGAGATGGAATAAACTCGACT
GAGTCTAAAAACAACACACCACATGCTGGCGAATTCAAGGAGACCGNAATCAG

>'000203a-046.scf' came from CONTIG 32 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
046.scf"(37>597)

GGGGCCCTCTAAACTATGGATCCCCGGGCTGCAGNAATTCGGCACGAGGCGGACCTGCTGGAGCTCCT
GGCACTCCTGGACCTCAGGTATTGCTGGACAGCGTGGTGTGGTTCGGCCTGCCTGGTCAGAGAGGAGAA
AGAGGCTTCCCTGGTCTTCCTGGCCCCCTCTGGTGAACCCGGCAAANCAGGTCCTTCTGGAGCAAGTGG
TGAACGTGGCCCCCTGGTCCCATGGGCCCCCTGGATTGGCTGGACCCCTGGCGAGTCTGGACGTG
5 AGGGAGCTCCTGGTGTGAANGATCCCCTGGACGAGATGGTTCTCTGGCGCCAAGGNTGACGNNGTG
AGACCGNCCCTGCTGACTCCTGTGCTCCTGCGCTCCCGGGCCCCCGNCCCTGTCGACTGCCGCAGACG
NNGACGGGTGAGACGGCTGCTGTCTGCTGTCCCATGCCCCGTTGTGCCGGGGCCCGTGNACCCAGCCCC
CGGGACAGGTGAAAGCGACAGGGACGAGCATAAGTCACGNGCTCTTGTCTCAGTCCCCGCCTCCGCTT
CTGGAGCAGTCTTCGACTTGTCTGTGGCCGCGCCCCGTTTTGTTCTCGCA

>'000203a-047.scf' came from CONTIG 36 at offset 42;"E:\SEQUENCE\export\EST_db\000203a\000203a-
047.scf"(41>502)

CACGAGGACGGACCTGCTGGAGCTCCTGGCACTCCTGGACCTCAAGGTATTGCTGGACAGCGTGGTGT
GGTTCGGCCTGCCTGGTCAGAGAGGAGAGAAAGAGGCTTCCCTGGTCTTCCTGGCCCCCTCTGGTGAACCCG
15 GCAAACAAGGTCCTTCTGGAGCAAGTGGTGAACGTGGCCCCCTGGTCCCATGGNNCCCCCTGNATTG
TCTGGACCCCTGGCGAGTCTGGACGTGAGGGAGCTNCTGGTGTGAAGGATCCCCTGGACGANATTG
TTCTCCTGGCGCAAAGGTGACCGTGGTGAGAACC GGCCCTGCTGACCCCTCTGTGCTCCTGCGCTCCCGT
GCCCCCGNCCNTGTCGACTGCCGCAGACGTGATCGTGGTGAAACAGGCTGCTGTCTGCTGTCCATGNC
CNGTGTGCCNNGNCCCCCTGNACCCAGACCCGGTGACAGGGAAAAGCAACAACG

>'000203a-042.scf' came from CONTIG 37 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
042.scf"(1>652)

CGGCGTCCCTCTANACTATGGATCCCCGGGCTGCAGTGGTTCTGCAGCTCTGTGGCAAGCCGCGGAGT
CTGGGTCTGATCCGCAGGATGGGGTTTGTAAAGTTGTCAAGAACAAGGCCTACTTCAAGAGATACC
25 AAGTGAAATTCAGAGAAGGCGAGAGGGCAAAACTGACTACTATGCTCGGAAACGATTGGTAATCCA
AGATAAAAATAAGTACAACACACCTAAATACAGAATGATTGTTCTGTGTAACGAACAGAGATATCATTT
GTCAGATTGCTTATGCCCCGTATAGAAGGAGATATGATAGGTTGTGCAGCTTATGCTACGAATCCCCA
AATATGGNGTGAAGGNTGGCCTGACAATTATGCTGCGCATATTGTACTGGCCTGCTGCTGCCCGCAG
CTTCTTTATAGTTGGATGGACAAAATTATGAAGCNAGACGAGGNGATGGAGAGATACATGNGNAAG
30 CATCGAGCCAACTGGGCCTCACTGTACTGNAGCAGACTGCAAACCTCTACGAGTTAAGTTTGGCCCTAG
GACGCGAGAGCTGCTTTCTACAGACACGTCTGTTGATCAAAGCAAATCAGCGAGCCCGAAGCATAGG
CAAAGTGAATACGCCCTGTGGAAAAAATCCAAAACTTTTCA

>'000203a-044.scf' came from CONTIG 38 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
044.scf"(1>627)

CGGCGCCCCTCTACAACTATGGATCCCCGGGCTGCAGNAATTCGGCACGAGGCAGGACAATCAAGTGT
GGCAGCTGGGCTCATCGTCCCCAACTTCACTCTGGAGGGACATGAGAAAGGTGTGAATTGCATTGAT
TACTACAGGGATGGTGACAAGCCATACCTCATCTCTAGAGCAGATGACCGTCTTGTGAAAATATGGAC
TATCAGAATAAACTTGTGTACAGACACTGGAGAGGACATGCCCAAATGTGTCTTGTGCCCAGTTCAT
40 CCTGAGCTGCCCATTTTATCACAANTTCAAAAAATGAACTGGCGTTTTTGGCATTCAAGCACCTTCGCC
TTGAGAGGACTTGATTATGAATGGAGAAGAGATGGGGGGGGCCGCCGCGAGGTCCATAACGTGTTTTG
GCTTTGAGAAAGAAGCATATGTTAACTTGTGCGGAGAACTGCTTGTCTGGTGCCAAGGAAAATAATGGG
CCAACATCAAAATCACCAGCCACTAAACAAGGAGAGTGTAATTAAAGAAAAGATGCCTGCATAAAAA
TGCAGTTGAATTACTCAATATCACAATCTAAGCGCGGTGGGGGGGGGGGGGAAATTTTTCCGCAGCCC
45 GAAACAATGTGGGCCC

>'000203a-045.scf' came from CONTIG 39 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
045.scf"(44>624)

GCACGAGGCTTGCTGCTGCCTGCCTGCCACTGAGGGTTCCAGCACCATGAGGGCCTGGATCT
TCTTTCTCCTTTGCCTGGCCGGGAGGGCCTTGGCAGCCCCCTAACAGCAAGCCTTGCTGATGAGACAG
50 AAGTGGTGGAAGAAACCGTGGCCGAGGTGGCCGAGGTACCCGTGGGAGCCAACCCCGTCCAGGGGA
AATAAGAAGAATCGATGATGGTGCCGAGGAAACCGAGGGGAGAGTGGGGANCGAGAACCCCCGCCA
AACCACCACTGCAACACGGCAGGNGTGTGAACTGAACGAGAACACACCCCATGGTGTGGCCAGACC
CCACCACTGCCCTGCCNTCGCGAAGTTGAGAGTGTGCACAACGACAACAGACTTCGATCCCTGCCAT
55 TTTTGCACNAGGNACATGNAGGCACCAAAAGGCCCAACTCACTGNCTACTCGGCCTGAATACATCCCC

TGCTGCATCGACTGATGATCCTGGCTGCGACGCTAAACGCCGNCACTGACAAGGAAGCACACTCGACG
AAAATATGGATGAAAAACCAATAAAGCCGGGGGGGCCTC

>'000203a-048.scf' came from CONTIG 40 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-048.scf"(38>559)

TTATACTCCAAGGCCTGGCAAAATCACATAATCAAGATTGAATTGTTTCAGAAATATTGGCAGGATTCTTGGACTGTGTCTACTACAGAATGAACTGTGTCTATCACATTGAATAGACATGTGATTAAAGTGTTGCTTGGTAGGAAAGTCAATTGGCACGATTTTGTCTTTTTTTGACCCTGTGATGTACGAGAAGTTGCGGGCACTTATTCTTGCTTCTCANAGTTCAGATGCTGATGCTGTTTTCTCAGCAATGGATTGCGCATTTGCAATTGACCTGTGTTAAGAGAAGAGGGGAGACAGNTGAACTATTTNCTATGTGTAATATAACCAGTCACTCTCAAA

>'000203a-049.scf' came from CONTIG 41 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-049.scf"(1>306)

GGGCGCCCTTAAATAGGATCCCCGGCCTCAGGGTGGCAAGAGGCCGTGCTATTTTTTTTTTTGTAGAAGTTTGTGCTGATGGCATCTTCAAAGCTGAACTGAACGAGTTTCTCACTCGGGAGCTGGCTGAAGATGGTACTCTGGAGTTGAGGTCCGAGTTACACCAACCAGGACAGAAATCATTATCTTGGNCCACCAGACACAGAATGTACTTGGTGAGAAGGGCCGGCGGATCCGGGAATTGACTGCTGTGGTTCAGAAGAGATTTGGCTTCCCTGAAGCAGTGTAAGCTTATGCTGAAAA

>'000203a-050.scf' came from CONTIG 42 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-050.scf"(39>525)

NAATTTCGGCACGAGGCTAGTCTCGAGTTTTTTTTTTTTTTTTTTTTCTTTGGAAAACCAAACATGCTTTATTTCATTTTTTTCACAATTTATTTAAACATCTCACATATACAAAATAGGTACAATTTAATTTTTCTGCTGTCCGAGAAACAAGACTTCTTTGGAACCATGGNAGAGGATGAAAATGAGACTGGCAAAGAACAATGCTGAANTTAAAGAAGAGACAANTGTGGGCAAATGATCCACTTACTTTGTGGAATAAGATGTAAAGTACTGATGTTAAAGTCAAATGAAAAAATACACAATACAGCTCAACAGCAGAGGAGTATCTCTTCTCAAAT

>'000203a-051.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-051.scf"(38>406)

NAATTTCGGCACGAGGATCATATAGTAAACCCAAGCCCTTGACCTCTTACAGGAGCTTTGTCTGCCCTCTTAATAACATCCGGCCTAACCATGTGATTTCACTTTAACTCAATGACCCTGCTAATAATTGGCCTAACAA

>'000203a-053.scf' came from CONTIG 44 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-053.scf"(37>515)

TGAGAGCAGCAGCCAAAAACCACGCTCGAGTGACAGTAGTATGTGAGCCGGAGGACTATGCAGCTGTAGCCTCAGAGATGCAGGATTCTGACAGCAAAGACACGTCCTTGAGAGACAAGACGCCAGTTAGCCTTGAAGGCTTTTACTCATACAGCACAGTATGATGAAGCAATTCAGATTACTTCAGGAAAGAGTACAGTAAAGGAGTATCTCAGATGCCCCCTGAGTATGGAATGAANCCTCATCAGACTCCTGCCAGCTGTATACGCTGAAGCCCCAAGCTCCNTTATCAGTCTGAATGGAGCCNTGATTTATAANCTGGGTGATGCTTTGAA

>'000203a-054.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-054.scf"(40>404)

AAGCTTTTTCACAGGCCAACCCGGGCACGGGCCTGCAGGCTGACCTCGGAGGCCTCTGGCTGCATCAC
TATCAGATCAAAACCAGCGAGGAGCTGCCGGGAACAGCCAGCCGAGTCCAGACATGGACACAGTAGC
TGGATGGACACGAGACGGACAGGTCCTGTCCAGCTGTGGACAGGATTCAGATGCAAGCTAGGCACTG
GGGGCAGGGCTGGGGAGCAGAATGAAGCATGCAGGAGGGGCCCCGGGGCCTGGCTCANCCACCGG
5 CCGCCGAGCCTCACCGTGTGGGNTCGCTGGGGNCTGGGCTCCCCGCCACACTGGACTTGAGGCTCTGN
AGCGAGAGTTCCAGCCATTGTGATGTTGCTCTCACAACAAATNCTTGCCACTGGGAGAATTGAGATGG
TGACAAACTACGCCCAAGCATGTGGATGCCAGC

>'000203a-069.scf' came from CONTIG 59 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
069.scf"(12>643)

10 CTCTATACTAGGGATCCCCGGGCTGCAGTAATTCGGCACGAGGCTCGGTTTTTTTTTTTTTTTTTGTCTC
TAATTAATAATTTTATTGAAATCTCTCAAACGTTACCAAGAAATAGTTTTTGCAAAGGGAGGGAAGG
GAAAAAACAAACAACAACAACAAAAAACAGCTAACAAAGCAAATTCACATGGGAGCTCCCTCTGCTG
GTCTGCAGTAGGTTGATATGTTACAAACACATTCCCAGAGACAAATCTATTTGCTGGAGAAGGGACAA
15 AAAACAGGTGTGTGGGCTTTGCCTCNAGAGAGAACACTGGCATGCAGNGAGCGGGGTAGTGAAAGCA
GAGGAGCAGCGCAGCGCTAAGTCGCTGGTACAGAAGTACGGGCCCACTCAGGCTATGNGTAAAGGC
AGCCTGTGACTCTATGTCTCTGCATGACTGAGACAGGTGGCAAGNAACTGGGTTGGAGCCTACTATTG
TCTTGCTCTCGGGTTGCTACAACCTATGTAGGTTGCGATTAGACGACGAGCCTCAAGATTTGCGCTTTG
TTGACATGCAATGCAACTAGCTGTATTACTTTAAAACTTTACCTATGTGAAAAATAATCCGTGATCAAG
20 GAAGGCAAAAAAATCTTT

>'000203a-070.scf' came from CONTIG 60 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
070.scf"(19>728)

25 CTACGGCATCCCCGGGCTGCAGGTCGAGTTTTTTTTTTTTTTTTTTAGTTAATTACTTTATTACATTT
TAGTGCTTTCTTAAATAAATAATAATAATTATCAAACATACAGTGAGAAGTAAAGCACACGTC
TGAACGGCATGTACAGGAGTCACTCAGGACTGTTTCAACACTCAGCACTGGAGAAACCGCACAGGC
CTACCTATGTACAGACGCCAACCGCCAGGGCGAGGCCACCGCGTCCCCTCCGCTCCTCATGGACACG
GCCACTCCCCCTTGCGTTGAAATGACCAGTTTGCATGTTTAACTTTTCTCTCCGTTGAGCTTCAGTTTT
30 TTTTTTTTTTTCAGTTTTGAAAAAATTCAAGTAACACTCCCAAGAAAAAAAAGTGCAAATAATA
AGGGACTCAGAGTCCGGCGCCGGTACAGGGGCAGCGCACAGCGGGGGGGCAGCCGGCCGAGTCTGTCC
CGGAACACGGGGCGCAGGACCCCCGCCACTCGAGGAGGGGGGGACGGAGGCCGGCCTGGGTCCAAA
GCGCCAGACCTTTGTTGAAAGCAGCACAGCCCGCGAACGAACGCAGTCCGCGGCCGACTTCGGACCA
AGGAAGGAGAGGGGGAAAAAATAAAGTATTAGGATCCTTTTATAAAATATAAAATTTTCAAATTTTAT
35 AAAGGGCGCCCCCGGGGGGGGGGGCCCC

>'000203a-071.scf' came from CONTIG 61 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
071.scf"(38>713)

40 TTGACATCCTCCATTTTCGCTGTGCTGAGTTAGTACAGGGAAGACGGGGAAGTGAAATGCCAACAGTAG
TAGATGGGGGACTTCCCTGGTAGTCCAGTTGTTGAGACTTCGCCTTCCAGTGCTGGGGGGTGCAGGTT
AGTCCCTGATGTGGGAGCTAAGATCCCTCATACCTCATGGCCAAAAAACAGAAATGTAAACAACAGAT
ACAATATTGTAACATATTCAATAAAGAATTAATAAAAAAATTTTTTTATAAAATATACTTAAAAAAA
CCTGACAGTTTCACAGAGAGGGCTGTGATAGGATTGCTCATGAGGAAATCCAAGGAATAGAAGTTTTT
GATAGAGGATGATGGGAAGTGTGTTAGCAGAAGTAGGACTGCCTACTGTCCATCTGGACCATGNAAA
GCACANATTATCCCGCACAGCTTGGAGAGAATGTCTCACTAAGAGCTCATGCCTTGTTTCTCTCCAC
45 ATTATTTGTATTGTTGGTTTTATATACGTTTTTTTGTGATATTACCATATTAGGTTTGTGTGATGATTGT
AGGACATTCTATGTAGAGAAAGATAAACTTAAAAAGAAGCCCTTTTTCTTTTTTTNTTAAATAATGC
ATCTTAAGTGAGTCAACCTTTTCGGCAAAAAAGAGAACAACCTTTACTTATTACTATTTCTT

>'000203a-072.scf' came from CONTIG 62 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
072.scf"(38>334)

50 CTGGTGCTTTCGGCCTCGCTGCGGTGCCGACAGTCCGTTTCATGCCTCGCGTTTGAGGGCAGGGGGTGG
CTCAGCGGCTGGCTCGCAGCTTTCTCCGCTGGCTGAGGCCCGCCACAGCCGACATGGGCTGTTTCTGCG
CGGTTCCGGAAGAATTCTATTGCGAAGATTTGCTTCTGAATGAATCCAAGTTAACTCTCACCACCCANC
AAACAGGCATCAGAAAATCACGAAAGGGCTCATTGTCCTTGAGCACCGTATCCGCCACTCAACCCTGG
55 GGAGGTGAGTATTTTGGCTTGC

>'000203a-080.scf' came from CONTIG 69 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-080.scf"(38>623)

NAATTTCGGCACGAGGCAAGCGCCTGCTGGAGCCCCGCTGCTCCTTGCACTTGAAGTCTATGGGGTTTG
GTGGGCAGAGGCTCAGGAGTCCCCTGGATTTCCCCAGCTGGTATCCTGGGACGTGGTAAGCCTTGGGG
5 CTGGGGTAGCATGGGATCCCCGAGGACCCANATTCTGGTACTNAGGGCAAGGNGAGGNGAACCCGN
ACCTCANCCGTCCCCAGTCTACAGCCTGAGCCAGTGTGCTCCCAGCTCCCCANTCCNCATGAAGCCT
GCCGNGGGCTGGCAGNAGGGNTTAGAGGNNCTGGCCTTCGATTCCTTTTCTGTGCGCTGCTTTACCC
GCTTCTGCAGCTTTGCTCTGGCCTGATGATCGTGCTTTGTTCTGTACTGTAACTGAGCATGCCACA
TTTGTGAAATGTTGTTCAAGTGTAAGCAAGGAGAGGTCCAATTGTGATGGGGATGGAGGCATGGACT
10 CTGCTTCTATCCTTCTACTTATCTGAAATGTTGCTTCTGCTGTTGGATTATTATACAGGGCAACCTATAC
AGCGAAAAAAAAGGCAAAAAATTCTCTACCACGAGA

>'000203a-081.scf' came from CONTIG 70 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-081.scf"(41>563)

CTCCAGTTACCTCTGCCAGTACCGCTGTGTCAACGAGCCGGGCGCTTCTCCTGCCACTGTCCACAGGG
CTATCAGCTGCTGGCCACGCGCCTGTGCCAAGACATTGACGAGTGTGAGTCGGGTGCGCACCAAGTGTGCT
CTGAGGCCCAGACTTGTGTCAACTTCCACGNGGGCTACCGCTGTGTGGACACCAACCGCTGTGTGGAG
CCTTACGTCCNAGTGTCCGACAATCGCTGTCTGTCCGGCCTCAACCCCTGTGCCGGGAGCAGCCCT
CATCATCGTGCACCGTATATGAGCATCACCTCGAGCGGAGCGTACCGCGGACGTNGTTNCAATCAANC
20 ANCNNTCGTCTACCTGTGCTACATGCTTTCAATCGTGCTGTAACTCGCAGGAACTCTACATAGCAATCA
CATGCACGCTGCTGTCTCGCTCGGCTGGACGGCCCCGGATACGGCTGACTGAGAGTCACTTACTCTCTG
ATACGGCACTCTTTTGAATACGCTTGGGGCTACTTTGGGGGGG

>'000203a-082.scf' came from CONTIG 71 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-082.scf"(48>533)

GCACGAGGGCCTGCTGCAGCCCCGGCTGCCAGCTGGAGTCCCTGTGGGTGAAGTCTGCGGGTTTACGG
CCGCCTGTGCCAGCACTTACGCTCTATGCTGACCCAGAACAAGCATCTCTTGGAGCTGCAGCTGAGC
AGCAACCCGCTGGGCGACGCGGGCGTCCACGTGTGTGCCAGGCCCTGGGGCCAGCCGGCACTGTGCT
GCGGGTGCTCTGGGTGGGCGACTGTGAGCTGACGAACAGCAGCTGTGGCGGCCTGGCCCTCACTCTGC
30 TGGCCCAGCCCCACCTGCGGNAGCTGGACCTGANNCATACGNNCTGGGCGACCCCCGCGTCTGCAGCT
GCTGGGGCAGCTGGAGCACCCGCTGCAGCTGGAGCACTGTCTGTGACTCTATGGACCGAGCATGGA
CGACGCTGCGGCTGTGGAGAAAGCAGCTGGNCTGCGATCTTTCTGACCCGTCCCCAGNGCGTNATGAA
AAGTNCATCA

>'000203a-084.scf' came from CONTIG 72 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-084.scf"(47>388)

GCACGAGGCACAGTAGCATCACTTCAGAAAGGAGCCAGACTTATTCTCAAAGAACTATGTTACACTT
TTCAGCAGAAATAGCGATGGTTGTAACATATGTATCCCCTCCCTCGGATTTGAAGGCACAATCTACAG
TGTTTCTTCGCTTCTTTTCTGATCTGGGGCATGAAAAACCAAGATTGAGATTTGAACTATGAGTCTCCT
40 GCATGGCAACATAATGTGTGTACCGTCAAGCCAAACAGCCAGCCCTGAACGGTGGNTTTATTACTTG
TGTATTTGTGTTGGATGATAAACACTCATCATCTCTCCTGTAGTCCCTGCTCATTTCACTTAACCCTAN

>'000203a-085.scf' came from CONTIG 73 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-085.scf"(9>658)

CGTCTATACTAGGGATCCCCGGGCTGCAGAATTGGCACGAGGGGAGCTCCGCATCCACACCGGCCAG
CCCAGATCCCGAGGTCTGACAGCGCCCGGCCAGATCCACAAGCCTGCCAGGAGCCAGCCGAGAGCC
AGCCGGCCGCGCGCTCCTACCCAGCAGTCTCTGTCTTCGGCCTGAGCCCCGCGTCTTCCCGGGACC
TCTGCCCCCTCGGCGAGTGTGCCACCCCTGCCGGCCATGGAGACCCCGTCCCAGCGGCGGCCACCCGC
AGCGGNGCGCAGGCCAGCTCCACCCGCTGCCACCCAGCATCACCAGGCTGCAGGAGAAGAAGA
50 CCTACAGGAGCTCAATGACCGNCTGGCTGTCTACATCGACCGTGTGCGGGCGCTGGAAACGAAATGCA
GTCTGCGCCTCGCACACTGATCTGAGAGGGGGCAGCCGGAGGGTCTGGCTTAAGCCCGCTCCAGCCGA
CTGGGGAGCCGCCAGACCTGACCGTGGNCAGACGCGCCGCGCGGACGACAAGGGAAGAGTCAGG
ACCAGCACGCATCAAAGAGGAACGAGGCCAGCCGCTAGACGAGGCGTCACCAGAGCGGCGGCTGTT
AGAAGCCGGGGGACGGACGGGGAGGCATGGGCCCGGGGCAAC

>'000203a-086.scf' came from CONTIG 74 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-086.scf"(48>633)

GCACGAGGATGAATTTTCACTGGCCCTTCGGCATCTGGTTGTGCAAAGCCAATTCCTTCATTGCCCAGT
TGAACATGTTTGCCAGTGTCTTCTTCCTGATGGTGATAAGCCTGGACCGCTATATCTACTTGATCCACC
CGGTCTTATCTCATCGGTACCGTACCCTCAGGAACCTCTGATTGTTATTATAGTTGTTTGGCTTTTGGC
TTCACATAATGGGTGGGCCAGCTCTGTACTTCCGGGACACTCTGGAGTTGAATAACCACTCTTTGCTA
TAACAACCTCCATGAGCATGATGTGGACCTCAGGTTGNTGAGGCATCATGTTCTGACCTGGGAGAAAG
TTATTGTTGGGTACCCTCTCCCTCTGCTAACAAGAGCATTGCTACTTGGCCTCATCTCAAGAGAAGAA
CGAGCACCTGTACTCAGAAGCCTCCTGACCAACCGCGNGGNCATGCCTTNCGATTGCTGAATCCTAT
CACTGTTACATTGGAACCACGACCACACATACTATTACCAAGCTACAGCACACCCCTTCACGCCGNG
TTCTCAAATGCTGACCCCCCTTACCCGATATAAAAG

>'000203a-087.scf' came from CONTIG 75 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-087.scf"(46>645)

GCACGAGGATTTAATATTGTGGAGGGTGGGGCTTCCAGGTGAATACAGTTGCTGGTTGCTGAGCCATG
CCCAACTCTTTGCAACCCCATGGACTGCAGACCGCCAGGCTCCTCTGTCCATGGAATTGTCCAGGCAA
GAATACTAGAGTGTGTTGCCACTCTCTTCTCCAGGGTATCTTCCGAATATAGGGATCAAACCTGGATCC
CCTGGATTGCAGGCAGATTCTTTATCCTCTGAGCCACCAGGGAAGCTCCTAGTCACCCTAAAACCTCCA
AATTCTTAAAAAATTACCCTATCTACTTCCACCCAGTCTTTCTCTCTTCTTTTGGTGTCTTGATTT
TTGCTTTTGGCTCTGCCACTGCATCACATCACCTCTTCCAGCCTGACTATGAGTCGCCTCAGACTCAGA
GCAGTTCACTCACGAATCTTGGCTTGACCACATACTCTCGNACTTGGCTCTGACTGCTTTTTTTTATTGTT
ATTGACATCTCCACCCGCGAGATCTCTTTGGACAGCCTTGTATAACATCTGTTATACCTTTTGTACGCT
ATTTGGGAAAAATAATTAAAGGGGCTCCCCCAAAAAATTACGCAA

>'000203a-088.scf' came from CONTIG 76 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-088.scf"(19>21)
TAT

>'000203a-089.scf' came from CONTIG 77 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-089.scf"(1>428)

AGGTGGCGGCGCTCTTATTATGGATCCCCCGGGCTGCAGAATTCGCACGAGGGAGGCCTTTTCGGCCGC
AGCCATGGCGCCCAGCCGGAATGGCATGATCCTGAAGCCCCACTTCCACAAGGACTGGCAGCGGCGC
GTGGCCACGTGGTTCAACCAGCCGGCTCGCAAGATCCGTAGACGCAAGGCCCGGCAGGCCAAGGCGC
GCCGCAATTGCCCCACGCCCCGCGTCCGGTCTCTCCGGCCGGTGGTGAGATGCCCCACGGGTACGTAC
CACACGAAGGTTTCGTGCCGGCAGGGGCTTCAGCCTGGAGGAGCTAAGGGTGGCCGGCATCCACAAGA
AGGTGCCCCGACCATTTGNNGATCTCGTGGACCCGNAGCGCGGANCAAGTGCACGGAGTCCCTGCAGG
CCACGTGCAGCGCTCAAGGAGTAN

>'000203a-090.scf' came from CONTIG 78 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-090.scf"(42>591)

NAATTCGGCACGAGGGGAAGTGTATAATTTCTGGCCACTGCAGGTGCCAAGTACGGCGTGGGCTTCT
GGAGGCCTGGCTCTGGAATCATTCACCAGATCATTCTGAAAACTATGCGTACCCTGGGGTTCTTCTGA
TTGGCACTGATTCCACACCCCTAATGGCGGTGGCCTGAGAGGCATCTGCATTGTAGTCGGAGGTGCT
GATGCCGGGNACGTTCATGACTGGGATCCCCTGGGAGTTGAAAGGGCCCCAGGTGATTGGGCGTGAAG
CTGACAGGCTCCCTCTCTGGCTGGACCTACCTAAGATGTGATCCTGAAGGTGCGGGTATCCTCACAGT
GAAAGGTGGCACGGGCGCCATCGGGNAGTACCACGGGCTGGAGTAACTCCATCTCTGCCCCGCATGC
GACCTCTGCACATGGTGCAGAATCGGCCACACTTGTGTTCCCTACACACAGAGAANAATACTGACAGA
CGGCGGCAATATGCACCTGTGAGATTAAGATACTGTACTGCTTGCTGCCTTTACAATTATATTACCTAG
GCGA

>'000203a-091.scf' came from CONTIG 79 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-091.scf"(41>338)

TAATTCGGCACGAGGCCCCCTTTCATCACCAACCCTGGGTATGACACTGGAAACGGTATTCATCTTCCCG
GCACTTCTGGGCAGCAGCCCAGTCTTGGGCAACAAATGATCTTTGAGGAACATGGTTTTAGGCGAACC
ACACCGCCCAACCACGGCCACCCNCGTAAGGCATAAGCCAAGACCGTATCCGCCGAATGTAAATGAGG

AGATCCAAATTGTTTCATGTCCCCAGAGGAGACGTAGACCATCATCTCTACCCTCACGTTGTGGGACTC
AATCCAAATGCTTCTACAGGCCAAGA

>'000203a-092.scf' came from CONTIG 80 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
092.scf"(47>391)

GCACGAGGCAGCCCCGAGGACAGCCAGCAGGACCTGCCTGGGGAGCGCCACGCCCTCCTGGAGGAAGA
GAACCGGGTGTGGCACCTGGTGCGGCCACGGACGAGGTGGACGAAGGCAAGTCCAAGTGCGGCAGC
GTGAAGGAGAAGGAGCGTACCAAGGCCATCACCGAGATCTACCTGACCCGCTGCTGTCCGTCAAGG
GCACGCTGCAGCAGTTCGTGGACAACCTTTTANNAGCGTGCTGCGCCCGGGAAACGCGTGCCACCG
GGCGTCAAGTACTTCTTCGATTTTCTGNACGAGCAGCAGAAAAGCATGACATTANAGATGNANGACA
CCNATTNC

>'000203a-093.scf' came from CONTIG 81 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
093.scf"(44>356)

CAAAAACCAGAAAGTGACGGGAGGTGCTGCGCTCCCCCTGCGTCGTGGCAAAGTCAGCTGGCCTCTTGTG
TGTGCGTGTGTGCGTGTGAGGAGCCGAGTGTGGGTGTGTGGCGGGCGTGGGAGCAGCTTTCTCACATA
GTGCCTTATACACGCTCTAAAGAAACAGTCTTACATGTTAAGAACAACCAAGTGTACATTTTCTACAC
TACCTTNCATTTTCAAGTAGCTTTGATGACCAGTTTTGCAGTTCATGGAGGAAATCATGGNNGCGTCCCAA
GGGGCTCCCCATGCCCGAGAGCCGACTGGTCNTGTGACG

>'000203a-094.scf' came from CONTIG 82 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
094.scf"(40>373)

GGGTTTTTTTTTTTTTTTTTTTTTTGTAATAAAATAAAAAGTTTATTAACAAGGAATGCACTTTTCCAGCCAC
AAGTGTCTTCAAAAATTAACAAAACAAAAAATATATATATGGCCATAGTTCACAGTTAAGCAGCCA
AAAGCTGCTCCAATTATAGCCTTTAAACAACATGTGAGCATCCTCCCTTTCCCTCCCCTTCAGTAAGTA
TATTCACAGCTTCAAGTCTCTGTCCGAAGCACTCTCCACAGAGAGAAGTTAAGAGTCAATGCACCTTT
CTGCAAAATTGTCTGAAAAGCTTTANNAACAGTACGTCAAGGAACTGCTTCGGNTC

>'000203a-095.scf' came from CONTIG 83 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
095.scf"(42>489)

CGACAGCCTAGAGGGCTTCGTGCTGTGTCACTCCATCGCTGGGGGAACAGGCTCTGGCCTGGGCTCCT
ACCTCTTAGAACGGCTCAACGACAGGTACCCCAAGAAGCTGGTGCAGACATACTCAGTGTTCCTCAAC
CAGGATGAGATGAGCGATGTGGTGGTCCAGCCCTACAACCTACTGCTCACGCTCTAGAGGCTGACCCA
NAACGCCGACTGTGTGGTGGTGTGCTGGACAACACTGCCCTGAACCGGATCGCCACAGACCGCCTGCACA
TCCAGAATCCCTCATTCTCCCANATCAACCAGCTGGTGTCCACCATCATGTCAGCCAGCACCACACCCT
GCGCTACCCCGCTACATGAAACACGACCTCATCGGCCTCATCGCCTCGCTTATTCCACGCCACGCTNC
ACTTNTCTGACTGTTTCACCCCCTCCACAGNACAGCG

>'000203a-096.scf' came from CONTIG 84 at offset 0;"E:\SEQUENCE\export\EST_db\000203a\000203a-
096.scf"(43>460)

CATCAGGCTCGAGGGCTCTGTTGTGCGGACTGCTCCCCCTGGACCCTCTGGTTTCTCTGGGCCCTCTGA
CCTCTTTGATCCTGCTGGTAAAGAAGGGCTTCGTGGGCCTCGTGGGGACCAAGGTCCAGTTGGTCGAA
GTGGAGAGACAGGTGCCTCTGGCCCTCCTGGCTTTGTTGGTGAGAAGGGTCCCTCTGGAGAGCCTGGT
ACTGCTGGGCCCTCTGGGACCCAGCCACAAGGCCTTTTTGTNGCTCCTGTTTTCTGGGTCTCCAG
CTCTACAGTGAGCGGACTACACGTGTCGTGATCTGTGGAGGGGTTGACACCTCTTTTCTCGTTACAT
ATAAAAATGTAAACCTGCCTTAACTGGACATATGACCTGATACTCACTTATATTTTTCTGGCTTCTTA
ACAAA

>'990729A-001.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-
001.scf"(56>557)

GCACGAGGGGTGGTTTTGCTGTGTAGCAGCAATGTCAATACAAGGTTCTGCAAATTTACAAACCCAA
TGGAATATTGTTGGGGGAATTCAACAATTTGCCACAAGAAGAACTTATTGAATGGATTAAATATAATA
CTAAACCGGATGCAGGGTTTTCGGGTGCCATGCCACAATGGCAAGTGTAAACCTCTCCGCACTCGG
GCCGTTGTGAATCATCCACATTATGAAGATGCGGGTTTAAAGAGCCAGAACAAAATAGTATTTTCGATGA
TAAACGGAAGCAGTGAGAAAGGAGGAGACTGTAAAGTACAGTGAATTTTCATTTGGAGAATGGGGGT
AAAAAATACAAGCGGATGCAGAGCGGAATTGGGATGGGAAACCTGTATGCGGAAATCCCTTTCAACC

ACTGAGCTATCCCCAGTGGCTGGCTGGCCTTGGGATTGGCTGCAACCTTGTTAGAACCACACAGGTTTC
CATCCTCACCTAGCCGCTGTTACTTCAGGCGAGGGGACAAAGACCGCCGAGGACAGAGTAAAAGA
CTCAGCTTCAGGACCCTTGGTCCCCCTTACCTAAACCCTAATCTACCCCTTCTTTTTCTGGAGACTTTC
5 ACTCTCTTTTTTAGAGCGACACCAATATAAGCTCTATGCTAAAGGAGAGAAAGAGGCTGGGCGACTTT
ATTCCCACCAACAGTA

>'990729A-014.scf' came from CONTIG 12 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-014.scf"(49>564)

10 TGCTGCGGCAGCCACAAGAGGGCTCGGGCCTGGGAGCATCCCTGAATGAGAGCAGCCTGCAGGACAT
CATTTCTGAAAACAGTGCCCCGGGGGAGCCAGGACCCAGGAGGAGGCTGAAGAGGAAGGTGGGGGCG
GTGAGGGCATAGCCCTCCCGGCTCTCAGGGCAGTCGAGCCCTATCATCCACGTCGTGAACCAGACC
AACGCCCAGGGCGAGCGGGAGGTTTCGTCTATTACGTGCTGTTTGAAGCCCCGGGAGAGCCCCACCCG
CCTCTGAGCCCCCTCGGGGGCGTCATGGGAGAGCTTCAGGAGCAGCGGAAGACCAGAAGTCCAGAT
GGTGTGAAGCTGCAGGCCCCACCTTGTACCNACGCTGGAGCTGAGCCGCTGTGGCAGCGCCTAGGG
15 CAGCCTGTCACGATGCTTAGAGGAGCTGGAGACGGTGCACCTGAGCATGCGCACTACAGCGAGACGT
CTTTTGCATCACTCTTGTGGCGAAGTTGTTTGGGGGACCGNGGG

>'990729A-015.scf' came from CONTIG 13 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-015.scf"(47>430)

20 TCGAGTTTTTTTTTTTTTTTTTTTGTAAACAAAAACATTTATTAATTAGCCACAACCTAACAAACCCTG
CTCACCTGCTTCATCCCCTTTCCTGCTTGGGAGGGAGGGCTCCTTGGTATGCAGAGCCACAAAGTGGGC
GATCCAAGGGGAGATGCTCCTGGTGACTTCCCCACGGACCTTGCTACTGGCCTTGGCTCCTCACTGGTA
GTCGGCACCTTGGACTCAAACCTCATCTGCCCTTGGTCTTGCCCTACTGGCAACTCTGGTTAGAGGGCTT
GGCCCAGCTGCTGGCCCTTTCACCCAGAAAGTCTGTGCAGCCTTGTGCCAGCCAGGCCTACTTGAGC
25 ACAAGCATGGCCTCCGTGCCGTCTTGGCGNGCAGGTAG

>'990729A-020.scf' came from CONTIG 14 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-020.scf"(362>694)

30 TTGGTGTTTTGAGTTCGTGTGTCTCTCTTTGTCTTCTTTTTTTCTTTTTATTTTGCTTTTTTTTTTTTTTT
TTTTTTTTTTTTCTTTTTCTTTTTTTTTCTTTTTTTTTCTTTCTTCTTTTTTTTTTTTTCTTTTTTTTTTT
CTCTCATTTTCTTTTTCTTTTCTTTTTCTTTTCTTTTCTTTATTTTATTTTTTTATTTTCACTTTTTTCT
AATTCCACTTCTCTTCTTTTCTCCTCTACTTTCACTTGTTATAATGCTTCTCCATAGACTCATTAATGTCT
AACTAGGATGAATATAATTCTCACCCATCTTTTCTCCGA

35 >'990729A-031.scf' came from CONTIG 14 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-031.scf"(45>126)

TTGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTATGG

40 >'990729A-016.scf' came from CONTIG 14 at offset 83;"E:\SEQUENCE\export\EST_db\990729a\990729A-016.scf"(443>608)

TTCTTCTGTCTTTCTTCTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTCTCTTCTTTCTTTTCTTT
TTTTTCTATTTCTTTTTCTTTTATTTTTCTTTTCTTTTCTATTTTTTTTTTTCTTCTTGTCTTTTCTTTTC
45 TTGTTGTTTTTTTTTGT

>'990729A-017.scf' came from CONTIG 15 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-017.scf"(46>592)

50 TGGCTGGCTTCATGATTCCTTAAAAAGCCCCCACCACAGAGGGAGGACAAGAAGGCGGCTGAGAAG
AAACGGGGAGGACAAAGACCAAGAAGAAGCAGGACAGGGAAGTCCAGGCGCCGGGACGAGGAGG
AGGGAAGACAATGAGGGTGGCGAGTGGGAGAGAGTCCGAGGTGGCGGGCCCCCTCGTTAAGGAAAAAG
CCAAAAATGTGTTGCCAAGGGAAGTGCATCAGGATGCTGTTGTCATCAAGAACTGAATGAGATCC
TACGGACGAGGAAGAAAGGAAGTGCATGCTGAGGAGGAGTGGGCTGCGGGTCAAGTGCCT
TGAAAAACCTAGAGAGGGCGCATCGCAAGATAAGTTACATCATTTGCTTTTTTTACTACACCCACCT
GCTCGACATGAGACGGAGTGCAGAAGAGTTGACTGCTCATGAGTGTGGCATCTGTTGCAACCTACTCT
55 TGTGAGAGAATATGGAAAGGAGACGCTACCAACACCCGGGTCGGCTGCTTACTGGGACGAGTAGAT
TCCAAAGCG

>'990729A-024.scf' came from CONTIG 21 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-024.scf"(101>231)
CGCGGGTTGGGTGTGCTGGTGGCTTGGTTTTTCTGCTGATTGTCTTGCTGGTTGCAGTTGTCTTTGTGCG
TTGTGTTTGGTTTTTTGTATGTTGGTGTGTTGTGTGGCTATTATGGTGTGTGTGGGTGTA

5

>'990729A-025.scf' came from CONTIG 22 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-025.scf"(31>550)
GTCCCCCGGGCTGTTGGTAGAACCTTTATTTTGTGGTGAATAATCCTATAAATTGCTTGGAGTAATTTA
TTTTGTTTATTATTTTCTATTAAAAAATTGTCAGACCTTAAAAAGAAAAGTAAGGTTTAAAGCATCAT
10 GTTGCAAGTCATTTTTATGTGTGGGGGAATTTGGCAAATAAATTTTAGGGGGATTGTTCTTTTTTCCTT
CTTGGACTTTTTATCAGGGAGAACATGTCAGGATAAAATTTAAACTAAATTCAAATCATTTGGGGG
CGGTGAAACAATGAATAATATAGGGTGGGGGGCTCTATTTCTTATTTCTGTTGTATGACAGGACTGG
ATCGCTTTGTGTTTTTAAATATTAAGATAGGGGGTTGCCACTTCTGGTGGTTGCTTTGGAAGTGTGGC
CCGGGCAGCCGATTGGGGGAGGAGCAAAAAATGATACTATTTGTGTGGGGCAGGGCTGGTGGGACAG
15 GAACATTTTGTGTGTGGGTGTTTATTTTTTTAGGGAGAG

10

15

>'990729A-026.scf' came from CONTIG 23 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-026.scf"(44>536)
TTTGTGAGTCTCATTTTAAGTGGCCTTGATATTTAAACTATTCTGCCCACCAATTCTTTTCCTTGGCCA
20 CTTTTCTCTCGTGTCTCTTCTGCTGCTTTATTTGCTTCTTCCCCACCACCCTGGGGTATGAGTTAT
TAAAAATGAAAGGGGTAAACTAGTGGGGTGTGGAGATTAAACATAAAGCACTGATTTAACTTGCTAA
GTAAACTGAAAGATAAATCCTGACTGCCTACTATCCAATGTGAGTTAACCGCGTCCTCCCTTCATTTT
CTCAGTCCCTAAAGCTTCTGTCGCGGATTCTTCATTTGCTCTTGACTTCACGTTGCTCTTCTCTTCTCC
CGCTTTGCTCCTTCTGCTNCAATGAGTTGATGAAATGGAAGATTAAATGCATGCACTAGGTTGGAGGG
25 GGTGNGGTNTGTCTTTCTACTAAGGTATAGCCATCACTTCTAGATAAAATACTACCTAAATTGATGTCT
CATTTG

20

25

>'990729A-030.scf' came from CONTIG 23 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-030.scf"(45>376)
TTGGTGAGTGTGCTATTTTAAGTGGCCTTGATATTTAAACTATTCTGCCCACCAATTCTTTTCCTTGGCCA
30 CTTTTCTCTGCTGTCTTGCTGCTGCTGCTTTATTTGCTTCTTCCCCACCACCCTGTGGAATGAGTTA
TTGAAAAAGGAAAGGGGTAAACTAGCGGGGTTGCGGAGATGAACATAAAGGACTGATGTAAGTGTCT
AAGAAAACTGAAAGATAAAACCTGACTGCCTACTATGCAACGGCAGTTAACCGCGTCCTCCCTTCAT
TTGCTCAGGCCCCCTAAAGCGCTGCCCCGATTCTTCTTTGCTCTTGACTTCACTTG

30

35

>'990729A-027.scf' came from CONTIG 24 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-027.scf"(54>547)
GCACGAGGATCTTGCTGCTTATATGTACCTGTGCTTATATCCGATCCTTGGCACCCAGCCTCCTGGACA
GAAATAAACTGGGTTGTTGGGTATATTTTGAAGTGTGCCAGAATTGGTGAACGGAAGAGTCCGTAT
40 GTTGCAAGTGTGCTGTATCGTGATGGCCTTCAGCATCCTTTTCATACAGTAGCTTGAACAACGCCAGAA
TTCCAGGCGCTATCAGATTTAAATATGACAAAAAGGACGATCTGCCGAAAATAGAGGAAAGAATGG
TTAACCTTTATCTCTCAAATTGAAGAGCTACACTCTCACTGCGTTCTCTTTTGTATTGGACCAAGTC
TTATAAAAATTAGAGTAACATTAATACCGAGTGAAATGGNCTGAACATCACCCACACTNCGCTCATAT
ACATTTGCTTGTGCTATCTTTGGCTGATCAGCTTAGGAGATCTTAGCCAAGAAAAACAAAGTAATATAGT
45 CCCTTCTGGATGAAG

40

45

>'990729A-029.scf' came from CONTIG 25 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-029.scf"(55>468)
GCACGAGGCTGGGCTGTGCAAAGCTGGGTTTGCAGGAGATGACGCCCCCGCGCCGTCTTTTCTTTCA
50 TTGTGGGGCGGCTCGTGACCAAGGGGGTGTATGGGGGAATGGGGCAAAAAGACAGGTATGGGGGA
GATGAAAATCAAAAGAAGGGGGGGGATCTTACTCTCAAATACCCATTGAACACCGCATAATTACTAA
CTGGGGTGACAGGGAGAAAACTGGCACCACTCCTTCTACAATGAGCTGCGGGGGGCCCCGAGAACA
CCCCACCTGTCAAAAGCCCCCTGAACCCAGGCAACAAGAGAAAGACCAAAACAAGTTGAAACTC
AACACCCGACAGGACGCGGCTCAACTGGCTTCTCTTTGCTTGGCGACAACGCAGGGCCGGATTAGGA
55 GGGGACCACA

50

55

>'990729A-045.scf' came from CONTIG 39 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-045.scf"(55>561)

5 GCACGAGGCTTATCTCCAGGTGCGTACGGGAGCTGAGGTGGGCGAAACTTCGAGGGGTGAGGAGAGG
GTGCCGGGATCCAGGTGTGAGAGAGGGGTGGGCGTGAAGGCGAAAAGAACGGGGCCCCCTTTCCG
GCCTGGAAAGTAGTTTCTGTGGGTCCCTGGGAACGTCGGAATACCAGATCTCGATCCGTGGGGGCGGG
GTCCCTGGGGGAACCTTGAGCGCCCCCTTCTGGGAACCGGCGGGTCTGTTTCGACGGGACTGCTGTTGGG
GCCTGATTGGTTAGACAGACGTTCCCCGAAGCCACGGGAAGCCCTACCCGCGGGGCGTGGGTGGGGG
ATCCCTACTTAGTACTCCTGCCTCTCCTGCATCGCAGCCCCCTCCCTAGTGCATTGTCCCTGTCCGGGCCA
10 TNAGACATGCACCACCACGCGGCGCTCTGTTGAGAAGGAAGGACCTCGTCTCAGCTTGCTGGGAGAAC
CGAGCCCTTGCTCGCCACAACGGAAAAGAGAG

>'990729A-046.scf' came from CONTIG 40 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-046.scf"(55>533)

15 GCACGAGGCTGACATCGGCCTCCTGCAGAGCCTCCAGAACTTGCCGTCACGGCCAACCGGATCGAGG
CGCTGCCACCCGAGCTCTTCCAGGGCCGGAAGCTGGGGGCCCTGCACCTGGGCAACAACGTGCTGCAG
CCGCTGCCCTCGCGGGTGGGCGAGCTGACCAGCCTGACCCAGATCGAGCTGCGTGGCAACCGACTGGA
GTGCCTGCCTGTGGAGCTGGGCGAGTGCCCGCTGCTCAGCGCAGTGGCCTGGTGGTGGAGGAGGACCT
GTTAACACCCTGCCCTGAGTGAAGAGCGCTCTGGAGGTGACAGGAGCAGCCTGAGTCCATGCATGAG
20 CACGGTGCCCTGGGGGCGCCGACCCGACCCAGCAGCCTGACCCGAACCAGAGCGACGACACCAGCA
CCTGCAGAGGCGCGGGCTGNCGACAAGACGACTGAGGTGCCCTTTCTGGATAGCCCCAGCGGCGCG
AGGAA

>'990729A-047.scf' came from CONTIG 41 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-047.scf"(55>544)

25 GCACGAGGCTCGCTCCGGTGTCCCCGCGCCAGAGACACAGCAGCGCTCCCTCTGCCACACCCACCGC
GCCCTCGCGCTCGCCTCTCCTTCCGGAGCCAGTCCGTGCTACCGCAGTCGCCCAGCCCACCACCCT
CTGCAGCCATGTCCACCAGGTCCGTGTCTCTCCTACCGCAGGATGTTTCGGCGGCCCCGGCACCG
CAGGCGGCCGAGCTCCACCCGGGCTACGTGACCACATCCACCCGCACCTACAGGCGGGCAGGCGCTG
30 GCCACCCCGCCGACCTTACACCTGTCCCGGTGGCGGGTCCGACGCTCTGCCGGCGCTGGGGGGG
GTGCGGCGGCGGTGTGAGACCGGGGACTGCTGTGGCAGCCTCACACGATCAGACACCGACCACAGAG
GAGCGAGACCAGACCGTCCACACCGCAGGCGCTCGACAAAACAACGTGCGACGAGGCTAGGCAGCAG
GGCGGGACTTCAGAG

35 >'990729A-048.scf' came from CONTIG 42 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-048.scf"(46>593)

TGGAATTCGGCACGAGGCACCAACCGATTTCGACCAGTTATTTGACGACGAATCGGACCCCTTCGAGGT
GTTGAAGGCAGCAGAGAACAAGAAAAAAGAAGCCGGCGGGGCGGCGTTGGGGGCCCTGGGGCTAA
GAGCGCAGCTCAGGCCGAGCTCAGACCAACTCCAATGCGGCGGGCAAAACAGCTGGGTAAAGAGTCC
40 CAGAAAGACCGCAAGAATCCGCTGCCCCCAGCGTCGGCGTGTTGACAAGAAGGAGGAGACGCAGC
CGCCTGGGCGCTGAAGAAAGAGGAATAAGACGTGTTGGAAGAGACCTGATCAACAACCTTCGGGTGAA
GGGAAGATAATGAAGGAGACCGAAGGCGACCACCTGTGAAAGAGATTTCGAAAGCCATTGAGAAAGG
TNGAGGAGAGATTTCCGTGATGACGATTTTGCCGCCTTCCGAGCCGGTGGTCTGGAGGGCGGGAGCCG
GACGGGAGGGCGGAGAGCTTGTCTCGGCAACGGATTGTAGCTGGGAGGGGACGCCGAGCGGGCAAGG
45 GGGGGATGAACC

>'990729A-049.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EST_db\990729a\990729A-049.scf"(49>505)

50 TCTTGCTGCCGGATCTGGCTTCCGTGGGGACCTCCCTTGATGAATATGGCCGTCCTTTGCTTATTATCA
AGGATCAAGACCGCAAGTCTCGATTTATGGGACTTGAGGGCCTCAAGTCTCATATAATGGCAGCAAAG
GCTGTGGGAAATACAATGAAAACATCGCTTGGACCAAATGGGCTTGATAAGATGATGGTGGATAAAG
ATGGAGACGCGACCGTGACCAATGACGGCGCCACCATCTTAAGCCTGAGGACGGTGACCCAGACGG
CAGCTGAGGCTGAACTGCCAAATCCAGATGTGAGAGGGAGAGGACCACAGAGGGTTGGCTGCTGCGC
CTGGGGAGAGCGAGAGAGCTGGCCGGGATGACCCACGAGGCCGCGATACAACGCGGCGCTGCTTGAA
55 ACCGACAATANGACGGGCTGAGACGAAAACGTGCCCCCTCAAGCAGACCGCT

GNAACTTNATCAGTTCGGGCAGGCGGCTGCCTTTCCTCTGCCCAGCGTCTTCCTGACCAACTCAGCGGG
CCCAGATTGAGATGCCAGACTCATGTGACTCG

>'990809A-024.scf' came from CONTIG 22 at offset 0;"C:\export\EG_DB\990809a\990809A-024.scf"(53>501)

TTTCAGCCATCCCTTGGGTTGAAGACAAGCTCACCAACTCCCACACGCCCACCACCCCCCTACCCAAC
TGGGCAGCCCTTCAACGAGGATGGTATCGAGGGACTGAAACATCTTACCTGTTCTGTCTGTCTGGCC
GCAGGGTCTAGGAGCCCCCAGGACACAGCATGAGTGGGCCTTGGACCGCTACCCCGCTATGGGCCTGC
AGACTTGGTTCCAAAGGCCTGGGCGGACAGACCGCCAGTCACCACTTCACCCTAGCTTGGCCACCC
CAGGGCGACAAAGAGCAGCAGGGGGCGGGGGCAGCCGCGCGGACAAAGCCGGATTTCCTGGTTCGCG
GCTGGCTCTGTTTCCCTGCGCTCCCCCCCCCGCGTGTGTTCCGCCGAGCTGACGTCTAACGGGGAGGGT
AGAAGGACAACCCGCAAGGTGTGGGATTGAAGGAATGTGGC

>'990809A-020.scf' came from CONTIG 23 at offset 0;"C:\export\EG_DB\990809a\990809A-020.scf"(58>610)

GCACGAGGGTCAGTGTTAGCATCAACACCACGCTCCCATCTACCATTGAGCCTTGCATCTTGCCATCCC
CATGGCAAGGAAGCCTTTCTCTGCTCAGATTCTCTCTACCCTTGAAGACTTAGCTCAAAATGCAACACC
TGTATCTGCTTCAGCTCATCCTATCTTCTCAACTCCCTTATATGTTTGTACTTCTTACTTGAATACTTAAT
CCTATATGCTGGTGAGGGTTACTGAGTCTCTTCTATGTCTCAGTCATGTCTTATCAACAAAGCTGCAAA
CTTACCAAGAGACAGATCACTTCCACTCCCCAGGGTGCCTATCACAGGTTTTAGTAGCAGAGAGGAGC
TCAAATCCACTGTTGATTTTCATCTTTGTTCCATTTGCTATTATCAGTTTCAACAAAGAGNAGTATGC
TCTATACCTGCTTTTCAAAAGAACTAAATCAGAAATATTATAAACAGAGAAAGGTCATCTGTTGCTCTT
GGCAGAGCCTGACAGNCNTAAACGAAAGCTCANGTCCCAGGAACATGGCCACGGTCGGGGGAGCGTC
T

>'990809A-025.scf' came from CONTIG 24 at offset 0;"C:\export\EG_DB\990809a\990809A-025.scf"(55>597)

GGAAGATGTATGGAGACATGGCCTAAAGCCAGAGACAGGGAGAACACGTGAACATTTTAGGCTGTCA
CTTGAATCGATTACATCTCATTTTTTGTGTACACGTGATTTTCAGGGGACACAAGTTATTTAAATCTGTGC
TTCTAATCTGGGGAAAAGAAAAATTTCCCAACAAATTCAAAATACTGTGCCATGTGATATTCAAAACCAAT
AGTCCGCCAACCCAGACACTGGTTTGAAGAAATTGAGACTTGATCATAGGACTGTATTAGTCACAG
CGCCAGCATGTATGCTAGGAGCAGGGGAGGAGGGCAGCAGAAAGCCTTGTATCTTTGGGGGGGNGGA
GTGACTGGTTTTGGATGTGACTGAAAAGAAAACTTAGCATGCTCCTGTCTGCCTTAGCTCCAGCACGCC
GGTGTGCGCCCCACCTCAGAGCGAGCAGTCGCTCTAGCAGACACAATCACTTGACTTTGATCAGACAT
GTCAGAATAGATCTGCTTAACGACGCCGGCAGCGATGCCCACAGCAATNTTTTGTACGAATTGGGNN

>'990809A-026.scf' came from CONTIG 25 at offset 0;"C:\export\EG_DB\990809a\990809A-026.scf"(57>601)

AGGAACGAGGCCAGCTCTATGTAGGCAGGGCGGGGTGGAGCTCACCTGCTCCCATGCTCTGGATGGA
CAGCAACTACTCTACGGGGACCAGGGGCACAAGACTCAGCAACTGGACCACCAGGCACCCCCCAAC
CCAGAGGGGCTGGAGTTGGGTCTGAGGGTCCCAGGACCAACGGCTGCAAAAACCGGATGTTACAG
GAAGGAGGCCTGCCTCCTCAGGGCCTCAGATTCTGAAATGCCCAGAGGGAGAGGGTGTCAAGCTGCG
CTGTGAGCTGGGGGCACGGACCGGGAGAGAGCGCGAATCTGCAACTGCGTTGCGCGTGTGGGCCAAA
ACCTCTACAGCGGGAGCACCAGCCTTTAGACGGAGAGTGAGGCGGGATGAGCCCCGAAAGCACTAT
AAAAGTCTCGACGGTTCCAGAGAGCTGCAGGGGCCAGGGGCAAGGACAAGGAGAGCAGCCCGGTGC
TCTTGATCTATCTATCTGCCATGCCTCCGTCCGTCGCTTTTACTTAAATGATTTTAAGCTCGTCGCG
CGNCT

>'990809A-022.scf' came from CONTIG 26 at offset 0;"C:\export\EG_DB\990809a\990809A-022.scf"(60>522)

GCACGAGGCTCCCTGTGGATCCTGTTCCACTTCTGACGGGGCAAGGCAGGTCAGGAAGGTGTAGACC
ATCCTCAGGAAAGAGCCAAGGCCAGGAAGTCCTCCAAGCCATCCGGGGGCTTCGTCCGCTTCTTCTT
CGGGTGGCGAGAGGGCGCTGGCCACTTTGGGCAGATGGCCTCTGGCTCCATGCACCGGGTGGGGAGG
CTGAACAGCGCCGTCCTTTGGGTCTGGGCCAACCAACAAGGTGAACGCTCGCCTCGCAGGCGCCCC
CAGCGAGGACCCCCAGGTCCCCAAGAGGCAGNGGCCACCCCGCAGCTCTGGTCCGCTGCCACAAT
GAACTACGGGCACGCCTGTGTGGGACCTGCACAACATCTCAGATCTTGAGACCACTACTCCCCAGCAA
AACTGCTATACTTTCTTTGCTGGCCGGGGCCGGGCGGGGAGGAGGAGGAGGAAACA

>'990809A-003.scf' came from CONTIG 27 at offset 0;"C:\export\EG_DB\990809a\990809A-003.scf"(1>516)

CCTCTCGGGGGGGCCGCTTAAATGGGTCCCCGGGTTTTCGCCGGGCATTTACCCTTCAGAAAACGAGA
CCACCAATTCCTTTCTTTCCCGGCTGGGGACCAGCCAGNGTTCCTGCCACCCAGATGCTGGTGAAGAT

09876543210

CATGGCAGATATTGCCAGAGGCATGGAGTATCTGAGTACCAAGAGATTCATACACCGGGACCTGGCTG
CTAGGAATTGCATGCTGAATGAGAACATGTCGGTGTGGTGTGGCTGACTTTGGGCTCTCCAAGAAGAT
CTACAACGGGGACTACTACCGGCAGGGACGCATCGCCAAGATGCCGNCNAAGTGGATTGGCATCGAG
AGCCTGGCGGACCGTGTCTATCCAGCAGAGCGATGTTGGGGCTTGGGTGACGATGTGGAGATGGCAGC
5 GAGGCAACCCCTATCAGNATGGAGACAGGAGATATGATACTGGCCAGGAACGCTGAGCACCGTGACT
GCTGACGACGACGCCGTGTCGTGCTGGGCTAACCCCGACGC

>'990809A-001.scf' came from CONTIG 28 at offset 0;"C:\export\EG_DB\990809a\990809A-001.scf"(62>533)
GCACGAGGCTACCAGTATGGATTCAACCTGGTCATGTCCCATCCTCATGCTGTCAATGAGATTGCGCTG
10 AGTCTCAACAACAAGAATCCAAGGACCAAAGCCCTTGTCTTAGAGCTCCTGGCAGCTGTGTGTTTGGT
ACGAGGAGGGCACGAAATCATTCTCGCTGCCCTTGACAATTTCAAAGAGGTGTGCAAGGAGCTGCACC
GCTTTGAGAAGCTGATGGAGTATTTCCGGAATGAGGACAGCAACATCGACTTCATGGTGGCCTGCATG
CAGTTTATCAACTCGGGGGTGAAGTCAAGTGAAGACATGAACTTTCCGGGTCCACCTGCAGTTGAGTTC
ACAAAGCTGGGCTGGAGGAGTTCTGCAGAGTCACGCACCAGAGAGGGGAGCGCAGCGCAGATCAGGC
15 GACCTGACACGGTCTGTGGGGGGTGTGGGGTGCAGCAAAAAGTGGCCTGGAAGGGAGAGTGGG

>'990809A-004.scf' came from CONTIG 29 at offset 0;"C:\export\EG_DB\990809a\990809A-004.scf"(50>557)
TTTGCAAGAGAGAAGACAAAGCAAATGAACTCAAAGACAAGATGGGCAAGTGGAGAGATGATGGGG
20 AAGGATTGGGGAGCTTTGTTCTGCTGGCTCCTCTGGTCTCAGAAATGAGAATTATAATCCATTCAACA
ATGAGAATGGACAGCAGACATTGGGAAGGGAGTGAGTGACTGATTAGATGAGGGGCACAAATTGGAG
ATGCCCAGAAACACTAAGTTTCCTCTTAAGTTACTGGCCTTGAATTTCAAGTGGTAGCCAGCCACTAGAG
TGGAGTTTATTCTCTATCCTTATTCAGCTGGGAAGCTGGGGGTTTGGGTTGAAAGAGTTGAATTTATC
TAGGTTGTGACTTTGCCAGCAGATGTAGCCACCAATGAGAGAGAGCAAAATAGCCAATAGAAGCTTAC
TTNTCTGNAGCCCGNGGNCCTCTGGATGCTACTGTTTCATAGATAACCGCAGCAGAAAGGGAACCGCCC
25 CGTACAGGAGCTGGACGAATATGCTCCGTAC

>'990809A-007.scf' came from CONTIG 30 at offset 0;"C:\export\EG_DB\990809a\990809A-007.scf"(52>536)
TGGCCGGCTCCCGCGGCGGCTCCCGCGGCGGGCTCCCTAGGTTAGTGTGATCTCAACTCAAGAGAAAG
30 GTGGGGCTATCATGGCATCTATCTGGGTTGGGAAAGCGAGGGACAATAAGAGATTATGCTGGCTTTAA
CCCATCGGGGGATGCTGAAGCGATTCTGTAAGGCCATCAGAGGGAATTGGGGACCGACGAGAAAACAC
TGATCAGCATTCTGACTGAGAGGACGAATGCACAGCGGCTGCTGATTGCTAAGGAATATCAAGCACTA
TGTGGAAGGAAGTGAAGATGACTTGAAGGGTGTCTCTCTGGCCACTTCAAGCATCTCATGGTAGC
CCTCGCCGCCACCCGCGAGNGTTCGCTGCGAAACAGCTGAGAATCCATGAGGGCATGGGACAATGA
GATGCACGATCGAAATCTACCACTGACAGCAGCAATGCAGAGACGGCATCCTCTTCACGACAGAGGA
35 CTGAGATGGATA

>'990809A-030.scf' came from CONTIG 31 at offset 0;"C:\export\EG_DB\990809a\990809A-030.scf"(48>602)
TTTGTGGCAGGATGGGCAAGTGTGCGGTCTTCGTAAGTGGCAGGAAGCTCCGCAGCCACCGACGAGAC
40 CAGAAGTGGGATGATAAGCAGTACAAGAAAGCCCATCTGGGCACAGGCCTGAAGGCCAACCCCTTTTG
GGGGCGCTTCTCACGCTAAGGGAATTGTGCTGGAAAAAGTAGGAGTTGAAGCCAAAACAGCCAAATTC
TGCAATCAGGAAGTGTGTGAGGGTTCAGCTAATCAAGAATGGCAAAAAGATCACTGCTTTTGTTCCTA
ATGATGGGTGCTTGAATTTTATTTGAGAAAATGATGAAGTTCTGGTTGGTGGATTTGGTCGCAAAGGT
ATGCTGGTGGTGACATTCCTGGGGTCGTTTTAGGTTGGAAAATAGTCATTGTTTTTTTTTGGTTATCAA
AGCAAGAGGAAAGACAAATATAAATTTGTGATGAAGACGATGAATAATTTTTTTTACAAAAA
45 ATGGGGGGGGCCGGCCATTGCTTTTGGGTTGTTTATTATGGCGGGTTAACGGGATGGAAACTGGGTCC
ACTTTTGTTCG

>'990809A-031.scf' came from CONTIG 32 at offset 0;"C:\export\EG_DB\990809a\990809A-031.scf"(1>545)
ACCACGGGGGGCGTTAAACTAGGGATCCCCCGGCTGAGAAATGGCACGAGGGACATTCTACCCTGGCC
50 GCTGACTCGGGAACCTCAATAACCAACCAGCCGATTCAAGGGGCCAGGGCTTTGGTGGGGCACCCG
ATCCCACGGGCTGACCACCACCCCTCACGGAAGCCTCTTACGAGAACCTGCCACCATTTGCCCTGGG
CAACACGGAATCTCCTCTGTGCTATCGGGACATCGGCACCCCGCGCCACAACAAGGGGGCGCACTAGG
GGGGGTGGGTGGCGGGTGTGCGCCGGGGAAGTCACGCGCATGCGGGGCACCATCTCCCCGCGCCCC
GGGGGAGGGTGTCCGCCTCTCTGTGTCAGAGAGCTGAGAGAAGAAAAGAAGAGGGAGCAGAGAGAG
55 CTGGGCCAGAGGGTTTGGGTTGATGGTTGCTCGCTTCTATTGGCTGGATGCGAGGGACACGCCTGAG

>'990809A-039.scf' came from CONTIG 39 at offset 0;"C:\export\EG_DB\990809a\990809A-039.scf"(53>591)
 TTCTCCTCGGGCATCACGGGCTGCATCAAGAACCTGGTGCTGCACTCCGCCCCGGCCCGGGCCCGCC
 CCCGCAGCCAGTAGACATGCAGCACCGTGCCAGGCAGGGGCCAACACACGCCCCCTGCCCCCTCGTAG
 5 GCCCTGCCTGCCCCGCACGGACTCCTGGGCCGCACCCAGCCCCGCAACGGCGACTATATTATTATTA
 ATATTATTATGATGATGATGATGAATATTTTGTAAAGAAACCGAGGCGATGCCACGCTTTGCTGCTACTG
 CCCTGGGCTGGACTGGAGGGTGGGCACGTCACGCCCTCCCGCCCCCACCACAAACACACCTGGGCAG
 AGCCACAGGCTGTGGGCACAGCAGGTTGCACCAGAGCCGTGCCTCGGGGGCCACCAGACACGGGTTA
 GGCGCAGTGGCTCATGGGTCAGACCGCCCCACACAGACCCCCCAGCAGGCTGCCGNCGTTGTCAGCTG
 10 GGCGGGCCCTATTCTGGAGCGCATGCTCACCGCCCTGCAGCACTGAACCACAAACCGGAGAGGA

>'990809A-045.scf' came from CONTIG 40 at offset 0;"C:\export\EG_DB\990809a\990809A-045.scf"(61>588)
 GCACGAGGTGGAGAAGGGGGCAGACCTCAAGTGGGGGAGCCACCTGGGCTGAGGTGCCTGGGCCAAG
 TTAGACCTTGGGCCTGAAGGCTTCTGGTGGGTAGCCGGCCCCCTCCCCACTGAAGCACCGAGCTCTAA
 15 GAAGTCAAAACACGTGTTGACTCATTTGTTGGAGAAATTCAGCTCATGGGCTTCCTGCATTCCAGGGTGC
 TGGTATGCCAGAAATCTCTGGAGGAGCAAGCAGGGAAGTCTTGTCTTAAAGTAAAAATGCTAATAAA
 ACATCTCTAGAATCTGCTCCTTCTTTTACCCACACAGCCACTGACTAAATTACCTTTTGTCTCATTT
 GCTGAATTGCCTTGGCTGCTTAATTGGCTTCNCTGTTTTTGGTTTTCTNCACACCCACTTCATCTGTCTC
 CAATGGGTTGAGATGATATTAATAATGCANACTGCCACGTTCTGCCTTGGTTNCCCCACGCTGCAGATG
 20 AGGCAGATGCTAGTGGGCCTCTGGACCTCAGAACTTGGGCTNATGAGG

>'990809A-053.scf' came from CONTIG 41 at offset 0;"C:\export\EG_DB\990809a\990809A-053.scf"(55>485)
 CAAAATTGACCTTAAACAAGGAAAGTTTGAAGTCACCATCTTTGACTTGGGAGGTGGAAAAAGAATTC
 GAGGAATCTGGAAGAATTACTATGCTGAGTCCTATGGGGTAATATTTGTTGTGGATTCAAGTGATGAA
 25 GAAAGAATGGAGGAAACAAAAGAGACAATGTCAGAAAGTGTGTGACACCCTCGGATATCCGGAAAGC
 CTATATTGGTGTGGCAAATAAACAGGATAAGGGAGGGGGCTCTAGGAGAAGCTGATGTGATTGAGT
 GGTGTTTTTCTGGAAGCTCGACATGAGCACACGTGCTGTGTTAGATAAAACCCTGTGTGCAGACTGGG
 ATATGGAAAGAAAATGACATGTTCAATTAAGGGGCTTTTTTGGTTCTACTTTATTGCAGGGGCTTGTTG
 30 CCTTAAGAACGCTCCAAAAACACA

>'990809A-046.scf' came from CONTIG 42 at offset 0;"C:\export\EG_DB\990809a\990809A-046.scf"(53>593)
 TGAGACATTCCCATGTTTCGGAGGATTTACAGACAGGAGGATTGCTCACCCCTCACATCTAGCAGGTTT
 TTGTAAACGTGACCCCTGGCTGCATCTCCCATCTTCAGCACAGCTCAAGCACCCCAAACGTGTCTTTC
 35 TCCCCCATAGACTGACAGGTGGGATCAGCTCCCCGGTAACCTTCTCTCCCTTCTCCATCTTCTCCACA
 CCTGTCCATCCATAAAAAGCAGATTTTGGGGGTCTTCCACGCCTTCTCCCTTTCTTTGTGTCTTTTTT
 TTAAGTGATATTTTGTAAATACATGTGAAATACCAAGGATTAATGTCTGCCCCCTCTGCGACCTCTCT
 CACCTCTTTTTCATAAAGCTGCTCTTTATGTTGCTTACATGCCTTATATATGTTTGTGAAGATATATATT
 GAGAGTATTGTATATATTATATATTTTTGTTGGACATCGATCCTTCTGAACTCTGCCAGCCGNTTCTCTC
 40 TTCCTTCACATATCAGCAACGCGCCATACCCAGCCTNGAGCAANGGGGGAGAGNA

>'990809A-044.scf' came from CONTIG 43 at offset 0;"C:\export\EG_DB\990809a\990809A-044.scf"(59>584)
 GCACGAGGGGCATGTTGCGCGCCGTTGCGCTTGCCGCCGCCCGCCTCGGACCCCGCCAGGGCCGCCGC
 CTGCTGTCCGCCGCCACCCAGGCCGCGCCGACCCCCAACAGCAGCCTGAAGTCTTGTACAACAGAT
 45 CTTTATAAACAATGAGTGGCATGATGCCGACAGCAAGAAAACCTTCCCCACGGTCAATCCATCCACTG
 GGGATGTCATCTGTACGTTGGCTGAAGGGGACAAGGCAGACGGGACAGAGCAGGGAAGGCTGCCCGG
 GCCGCATTCCAGCTGGCTCGCCCTGCGCCGCATGGACGCGTGCGGGGGGGGCGGCTGTGAACCGCCTG
 GCTGTCTGATTGAGGAGACCGACCTACTTGCAGGCTGGAGACCCTGAAAGACAGCCCTTATATCTCTA
 CCGTGATCTGACAGGCTCAGTGCTGCGTCTTGCCTGGCTGCAAACAGGAAACATCCATGACGGACAC
 50 TCAGTCCCGCAGACGGGAGGGGGCGAAATCAGGACTCCGCCGCGCTGTAC

>'990809A-054.scf' came from CONTIG 44 at offset 0;"C:\export\EG_DB\990809a\990809A-054.scf"(62>492)
 GCACGAGGCTCACTTTGGTTTTTTAAATGACGTTATTTCTGAGGCTTGACGTCCCAAGCTAATCTGT
 TTCTTCAAGGCCCTGGACCGGCAAGGGCAATCTAGGCTATGGGGAGTGTTAGCTTGTGTTGCTGACTT
 55 AAGACTTCAGCCCTTTCGCTGTACCTGTACCAAGTGCCAGGCCAACAGAGGGGGGGGGGAGGCAGC
 TTCACGACGGGGCTAGGGGAGTCTGGAAGGAAGAAGCTGCACGCGGGGAGGCTGGGCCTGGGGAAAT
 GAGCATCTTGGACTCATAAGGCCTGTTCTTCTTTGTTTCTGTTCTGTTCCACAGGCACCAATTTTTCTTT

GCCTGAATAATCCCAGNTCCTGGGAATCATGGCTTGCCAAACGAGTCTGNGGTGGGTGGTGAGATGATG
ACTCTTACCCGGTCTCCTGCTTGATGAAGATCTGGGT

>'990809A-055.scf' came from CONTIG 51 at offset 0;"C:\export\EG_DB\990809a\990809A-055.scf"(60>587)
5 GCACGAGGGTGTAACTTTGTGATATCACCTCTGTAAGCCTGGATCTCCCCAGGTGTCAAAGGAGGCAG
TTGAATAAGAGGAACTATGAACTCTTCTATCTGTGTTATATAGACGGCCCATTTCATCTAGAGCAGG
GGAATGCCATCCCAAGAGGGCACTTTTACAGAGGAGGGGGGTTTGTCAACATCTTTGGTTGACATTAC
TCTGGTGTAGGGAGGGACGAGAGAAGGCAATGGCACCCCACTCCGGCACTCTTGCCTGGAATAATCCCAT
GGATGGAGGAGCCTGTAGGCTGCAGNCCATGGGGGCTCGAGAGTCAGACACGACTGAGCGACTCACT
10 TTCATTTTCACTTCCTGCATTAAGAAGAAAGGCACCCACTCCAGGTCTGCCGGGAATCCCAGATGGGG
AGCCGTGCTGTGCTTGGGGACACAAGCGACACAGAGGACTAGCGCGCGCAGGGGGAGCCGNGTTGA
TAGATGCTCAACCTCACGGGACCTGCGGTGTACATAGATATACTATATTTGCGA

>'990809A-064.scf' came from CONTIG 52 at offset 0;"C:\export\EG_DB\990809a\990809A-064.scf"(59>611)
15 GCACGAGGAATTTATCAAAAATCCCAATAACTCAACACAGAATTTGCACCCTAACCAAATATTACAAA
CACCCTAGCTAACATAACACGCCCATAACAGACCACAGAATGAATTACCTACGCAAGGGGTAATGT
ACATAACATTAATGTAATAAAGACATAATATGTATATAGTACATTAAATTATATGCCCCATGCATATA
AGCAAGTACATGACCTCTATAGCAGTACATAATACATATAATTATTGACTGTACATAGTACATTATGTC
AAATTCATTCTTGATAGTATATCTATTATATATTCCTTACCATTAGATCACGAGCTTAATTACCATGCCG
20 CGTGAAACCAGCAACCCGCTAGCAGGGATCCCTCTGTGCTCGGGCCCTAAACCNNGGGGGTCTGCTTCT
ATGAATTNTCCAGGCTCTGTTCTTTCTCAGGCCATCTATTAAACGTCCTTCTTNTCTCTAATAGAATCTGA
TGACTATGCTATAGCCAGCTACCATACGGCTGCNTCTTGTTTTTTATTTGTGAGCTGACTAGTTGCCGN
AAN

>'990809A-094.scf' came from CONTIG 53 at offset 0;"C:\export\EG_DB\990809a\990809A-094.scf"(54>456)
25 CGCACCGTCAGGCTGTACTGCAGGGCCGCGGGGTGCCAGTGCCACCATCACCTGGAGGAAGGAAG
GGGGCAGCTCCCCCACAGGGCCGTCAGAGCGCACAGACATTGCCACCCTGCTCATCCCCGCCATC
ACGGCCGCGGACGCGGGCTTTTACCTCTGTGTGGCCACAGCCCTGCGGGCACCAGCCAGGCCCGGAT
TCAAGTGGTCTGCTTCCAGGTGCCACCACCCACCGGTCAGGATTGAGTCTCTCGCCTTTTGTGAC
30 CGAAGGACAGACCCTGNACCTCAACTGCGGGGTGTCAGGGCTGGCCACAGCCAGATCACGTGGTGC
AGCGAGGGGGCAGCCTGCCTCCCACGCCCAGTGCGCGGCTCCCGCTGCGGCGCCCCAGTATTAC

>'990809A-058.scf' came from CONTIG 54 at offset 0;"C:\export\EG_DB\990809a\990809A-058.scf"(56>578)
35 CTTCGTCCTCTGGGGTGGAAACCGGAAAATTCTCAGGATAGCGTGTACCTCCAGTACTGTAAAGTCT
GCCAAGCATAACAAGGCACCACGGCCACATCACTGCAGAAAGTGTAACAGATGTGTGATGAAGATGGA
CCATCACTGCCCTTGATCAACAAGTCTGCGGCTATCAGAATCATGCTTCCTTACGCTGTTCTCTCT
TTTAGCACCCTGGGCTGCATTACGCTGCCTTTATTTTTGTTATGACCATGTATACGCAGCTTTATAAT
CGGCTCTCCTTTGGTGGAAACCGNCAAGATTGATATGAGTGCAGGCCGAGAGACCCCTCCGTTAT
TCTTTTGATTAGCTGCTTTGCGCCACCTGTTTGCTGGGTAGCTTAGAACACCTACGTCGGTGTGNTTT
40 TATCAGAGAAATATCTAAACAACCTCATGATATGATGAGAGAGTAGATGATTATATATATAATGATTT
GTTTCTTGTTGGAGGATGAACTCACAGATAATGCGGTGAGGN

>'990809A-059.scf' came from CONTIG 55 at offset 0;"C:\export\EG_DB\990809a\990809A-059.scf"(56>604)
45 CTTTCTGAAGAGCCAGGAATTCCTTCAGGCTCGCACCCCGACCTCAGCCAGCACCCCATCCCAACCA
CCCCCAGGCTCCCTGCCCTGCTGTAGATGCCGAGATCAGAGCCAGGATGCCCTGTGTCTCTGCCCC
AAGCAGAGTTGGGAGGCAACAGGTGCCAGAAGTCATGTGGGCTGAAGCCAAGGTGGCCATCCCCGC
CAGCGTCTGCCAGGACCAGAGGAGCCTGGGGGCCAGCAACAAGAGCCAGACCAAGCCAGACCCCT
GAAGATCATGCCTCCCTGCTCCAGCCCTCACCCCTGACCACTCCAGTCTAGAGACCAAAGATGGAGAAC
CCAGGCATCTAGAGAGACCAGCAGATCCCAGGAGGAGATGAAGCCACTGTGGGGCTGACAGAAAGAA
50 ACAAGGTAGAGCCAAGCAGGAGCAGCTGCAGAGAAACGGCAGAGAGCGTCTGGACGGAAAATTCAG
ATGCCAGCCTTGAAAAGAGCTTGACCTTGATAAAATCAAGCATGNTCCTGGAACAACCTGAACTTAA
CCTAAAGGG

>'990809A-084.scf' came from CONTIG 56 at offset 0;"C:\export\EG_DB\990809a\990809A-084.scf"(56>504)
55 CTTCGGCACGAGGCCCCCTTCTAGGTGCGGGGGGACTTTTGTCTACCCCTCCCTCACCCCTCGAGGACC
CTAGTGGCCTCTGATGCCAGGGGTGCAGTGCCTGCCAGTGAAGGAAAGTAGAAGAAAGAGGCAAGG

CCCGCTCCCGGCTCAATGTTTGACCTTCCCAGGCCCCATTCCCCCCTTTATGTAACTGTCTTCTTATATA
AATGGTGATCTTTTTCTCTTCATCCACCATGTGATGTTGGGTCAAGAAACTGGGCTGGATGGGATGAGCA
CCCCATGGTCCGTCCTGTGCATCTTTTCTTGCTATTACGTGGTGTGGGCTGTACGCCAGATTATATTCC
CCAACCATTTTGTGCTTCTCTCTTCCCAGGTGCCTTGGTGTTTGTTTATTCCGGGGTCCAGTTCCTAT
TTTGGGGGTTCTTGGTGGGGGTCTTTCTTCTCA

>990809A-063.scf' came from CONTIG 57 at offset 0;"C:\export\EG_DB\990809a\990809A-063.scf"(62>547)
GCACGAGGGTGGGTAAAGCATGAATCCTTTTACACAGTCATTAATATTGTCTTTTAGGGTTTATGTAGT
ATTCTATAGTTTTTGTGGAATGAACATAAGAAAAATAAGTAGTACTTCATAGATCCTGCTGCATGCCA
GACCTATTCCAAGTATTTTACATATATTGATTTATTTAATTATCAGAATGATCTTATGTAGGAAGTACT
GCTTCTATATCAATCCAGCAGTCCCTGATTCCACACTGTAGATGAGGGAGGATAGCTCACAGGCAGC
AAATGAAGCAACAATGTGCTTCACAGCANACTGTTAGCAGATTCTTAAGGCAAAAAAATGGCGATG
GTTGTCTCATTATCAGGAACCTAAGCACGCTGATGTCCCCGCGTCCCCCTCTCTCCACTGGGGAGACGCC
ACACCTTCTTATGTTTCCCTTGAGCATAACATCTACCTTAACACCCCCCGCATTATCAGCAAAAGAA
ACACAA>'990809A-060.scf' came from CONTIG 58 at offset 0;"C:\export\EG_DB\990809a\990809A-
060.scf"(58>515)
GGGCACGATGCTCACTTTGATTTTTTATATGACGTTCTTTCTGATGTTTAAACACCCACAAAATATTTTC
ATGATTTACGTCCCTGTGCACCCAAAGGCGCTGATGCTATGAAGAGCGATGGGTTGCTGGGGGGCCCT
TAAAACCTGAAAAGCTTTCGGTTGCCCTGTGCCAATCACCAGGACAAAAGAGGTTGGGGGGGAAGCAG
CTAGACAACTACGCTTAGGGGAGCGAGCTGGAACAAGGGCACACAGGACGCCGCGCCTGCCTGAAT
GAGGGACAGGGACTCCGACGACCTGTGTTCTTGTGATTCTGGACGTGACACAGGCACTCTGCCCTGCG
CCTTTCTGTACGCTCTCTTGCTTCGCTGCGGGCGGCCCTTGAGGCGGACTGAGGATGAGCGCGCAACG
CCACACGAGGCCGCGGGCCCCCTGCCAGCGCGGCGCGAGAGGAAGTGCCC

>990809A-091.scf' came from CONTIG 59 at offset 0; "C:\export\EG_DB\990809a\990809A-091.scf" (56>557)
CGGACTGGGAGGTGAACCTCACCGACTCCTTCTGGAAGTGGGAGAAGGGCTTGGTTCTTGAAACTCCT
CAGGTCGGACTTTTTTTTTTTTTTAACTGGGGGCTATGCTGCCCTTTCAATAAGGTTTTTCAATCGTT
GGTGTGTTGCGTTTCCAACTTAAGAGAAATCCAGGCACTCCCTTCCCCCTCCAGTGACATACTTGGGCA
AGCGGTCATCGTTGCGTCATGGGGCAGACGGGGGGAGCTTCCTGCTGCCGNGCGGGGGTGGGGGCCG
GGAGGAGGACCTGGGTGTGGGCCGCCCTGGGGAATGGAGGNGGGCGGCCTGAGCACTGCGCCTGCTG
CGGTTATTGCCCGAGCCCCTCGCCTCGGGGTAGAGGNCCGACTATTTCTTTAAAAATTTTTTCTGTGGGC
GTTGAGTGGGATGTACGTCCAGCTGCCTCAACCCACAACACACCGACGTCTGCCGATACAAATGAGG
AGCAGAGCGACTGATCGGCTGCGA

>990809A-088.scf came from CONTIG 60 at offset 0;"C:\export\EG_DB\990809a\990809A-088.scf"(56>586)
CTTGATTTGAGTCTGTTTCTAATCCCTGTGTCTTTGCTCTCCAGGGCATGTGTTCTTTTCATATTTGTTG
GCACCCGAGAAAACATCAGCAATGCTCAGGCTCTGCTGGAATATCACCTCTCCTACCTGCAGGAGGTG
GAGCAGCTCCGCTTGGAGAGGCTGCAGATTGATGAGCAGCTTCGGCAGATTGGGCTGGGCTTTCGGCC
TCCTGGAAGGGGGCGGGGCAGCGGCAGCAGGGACAAGGCTGGATAATACCACTGATGAGAGCTCCTCC
TCTTCCCTTCATACCAACAGAACCTATGGGGGCAGGTATGGGGGCCGGGCCGGGGCCGGAGGACAGG
CGGTCCTGCCTATGCTGTGAGACGNATCAGAGAAGAGGGAGAGCCCCCGGCTGGCCCGGCGACGG
GATCCCCGCCCCGGGGAGAAAGCCGAGCGNCTATAGAGGCGGGTAGGGACCCCACTGCCCCGNCCACT
AGATCACTCTTATGATATGTAGCTGAGACAACGAATCTTCAACACGGGCATCACA

>'990809A-078.scf' came from CONTIG 61 at offset 0;"C:\export\EG_DB\990809a\990809A-078.scf"(55>588)
GTTTTTTTTTTTTTTTTTGGATGGAATGTAAATCTTTTATTAAACAGTTGTCTTTCCACAGTAGTAAAGCT
TTGGCACATACAGTATAAAAAATAATCACCAACCATAATTAGACCAGATTCCTCTTATCAACTGCATA
CTAAGTATCTTCAGTACAATTTTTTTTCCATATAAAAAATACTGGGAAAAATTGATAAATAACAGGTAA
GAAAAAGATATTTCTAGGCAATTACTAGAATCATTGGGAAAAGTGAGTACTGGGGCTGTTCTGAATAC
CACAGTACAAAGGACATGCTGTTCCATAAATTTGCGGGCCAGTCAGTTAAGTGGAAGCAGAAGTGTT
CAGGTAACCTTTCCTACTTAAATTTGGTAATATCATTTCAAGACATTTTGTATCTTGGTTGGGTGCATGT
GCTCCCTAGGATCCCATCCAAATCACAGTAGATCACTCATTTAAATCTGATGCATGGATATTTGAGAAT
GATACCTCTGCTCATGATGAGAAAGCTGAACACTCAGGGAGCTGGAGAGCGT

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>'990809A-032.scf' came from CONTIG 62 at offset 0;"C:\export\EG_DB\990809a\990809A-032.scf"(53>590)
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TGGTTTTCTTAGGCACGGGGGGAGCTGAGTAGGTGTGGGGATGGGACAGGGAAGGGCAAAGGACAGA
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ACCCACACCCCCAGGGCCCTGAGGGAAAAGACAGGCCCGAGGCCCCAGGCTGGAGAGAATAGCCCG
AGGCATGATGCCGCACTCCTGGCCCCGAGACTTCCCTTTCATCCCTCCCACTCCCCACAGACCCCTT
5 TGACTCTCATCCTGAAGCCTAGAAAAGAGAGAGAAGCGGGGNGGGGTGGGTCTGTGGGGNGACGGGCG
GAGGAGGCGGGGAGCAGGGAAGGCGGGAGCCCTCTGTGCTGGTTTTTACCAGATACACAGCAGCTT
CCAATATATTATTCACCCCTGAAAAAAAAAAAAAATGAGGGGGCCGGGACCATCGNCTATGGAGNGA
TACATCATGNCGCGTTTACAGGGATGGAACTGCGTACACTATGCTGACCATCCCTTGCAGGGGGT

10 >'990809A-090.scf' came from CONTIG 63 at offset 0;"C:\export\EG_DB\990809a\990809A-090.scf"(60>584)
GCACGAGGCTCGGGAGGTCAGAAAGCCGGGCGCGGGCGGACCGAGAACTGGAGCTGGGATCGGG
GACGCACAGAGGTCAGGGGAAGTAATCCTGGACCATGACTCAGCAGCCACTTCGAGGTGTGACCACT
CTGCGTTTTCAACCAAGACCAGAGCTGCTTTTGTGTGCTATGGAGACAGGTGTGCGCATCTACAACGT
GGAGCCATTGATGGAGAAGGGGCATCTGGACCATGAGCAGGGGGGCGAGCATGGGCCTGGTGAAATG
15 CTGCACCGCTCCAACCTGCTGGCCCTGTGGGCGGGGGTAGCAGCCCCAAGTTCTCAGAGATCTCAGGG
CTGTCTGGGACGATGCCCCGGGGGGGCGAGGACTCCAAGACAGCTGTGCTGGAGTTCACTTACAAGCCG
GCGGCTGGCGCTGCGCATGACAATCGGATCGGCTGAGAACGCTTATGTTTCTCTCCTGACATCCGAAG
CTGTGATTGCACCGGACACCCAGGGCTTGACTTGCCACTGAAACAGTGTGG

20 >'990809A-087.scf' came from CONTIG 64 at offset 0;"C:\export\EG_DB\990809a\990809A-087.scf"(61>433)
GCACGAGGCGAACGAGCAGTACCGGGCGCTGCGCCCCGACCTGGCGGTAGGGGGAGGGTGGATAGGA
GGGGTGC GGCGGGGGGGGAGCGGGGGAACCCGACCCACAGGACATCCGAGGACGGGGGGCCT
CTCCCTGGGTCACTACTGTCTTTGCTCCATGTCCAGACATCTTCTGTTTAAATGAACAAAGCTCTC
25 ACTTCAAAATCCACACTTCATTTGGGACTAGACAGTCGGGGGTTGGGGTTGTTTCCTTACTGCTAAACA
AAATCCTCCACCCGGGACTCTGATTTGGGGACCAAAAGCCCCCAGAACCTCACCTGTGAGCCTCGCT
GTGTGGTGC GGGGAGGGTGGGTGGGGGNNNGG

30 >'990809A-067.scf' came from CONTIG 65 at offset 0;"C:\export\EG_DB\990809a\990809A-067.scf"(59>555)
GCACGAGGCTGCAGATTCTTCTATACTATTTATAGGTAGTCCTGACTCCACTACCCGCTTCCCAA
TGGGCTGTTACCGCGGAAGAGGCTCACGTTTACACAGCAGAACCCGAGAGAATGGTGTGAACTGTGC
GGGGGGAGTGATGCAGGAGGCAGACTGAGTGCCCTGCTGTGCTCACCTGTGCTTATCACTCTTCTAG
CATCGCGTCCACGCTGGTCTCCCTCGGGAACCAGCTGTGTGAGAGGCCCTCTGTGGCTGGATGTCTAG
CTTGCTCCGCCAGGCACAGCGNGCTTTGGGGGCGCGAGGGGGCGGCGCTGTGCTGGGCTCACCCCGC
35 GCGGNNACAGCTCCCTCTTGGCCNCACGGGTGTCCGCTCTCCCTCTTGCTTCTGCTGTCCCCATGTT
AGTCACANGAGAGCCTGGCTCCCCTGCCCTTATTTGNATGAAATGGCTAGATCTGCCTTACTCTTACTG
ATGATGAATTGATATGC

40 >'990809A-068.scf' came from CONTIG 66 at offset 0;"C:\export\EG_DB\990809a\990809A-068.scf"(56>612)
GTTGAGTCTAGGAACCGTCCCAGCATGGCTCCCCTCCACCGCCACCACCACCATGTCCCACCCCT
GCGATGGCAGGTGATCTAGCTCAGGGGGGCTCCCAGGCTGAGCAGGAAAGGAAGTTTCCAGAAAAC
CTGGGCTGGGGGAGGAGTCCTGGGGACAGCAGATGCCTGCCGAGAGGGCTGGCTGCCTGTGGACCC
TTCCAGCTCAGTGAGGCCACGTTAGGGGCCCTCAAGCAACCCAGAAGCACAAATTGGTGGTTTGGG
GCCACGCCAGCTGGGCTGGCATCCACGAACCTGGAGAGTTGGCTATGGCAGCACCAGGGCCTCGGCC
45 CCACTCCCCTCCAGGGTCCCCGTCCTTTCCCCCGCAGGCTCTGCTCAGGCCAGCCCCTGAGCCGNCA
GCGGGCCCCCTTACCGGGGCTGGTCTTGAGCACACCCTGTCCACTCACCACCTCTNNTTCTCGCCAC
CCTTCCCCGCACCATCGCCCTATATCGGGTTGCTCTCAGGCCCACTGAGTCACTTCTANNTTGTCTGG
CCTGCGCGCGT

50 >'990809A-069.scf' came from CONTIG 67 at offset 0;"C:\export\EG_DB\990809a\990809A-069.scf"(60>613)
GCACGAGGGGAAGCCCATGTTTTATGTGTGCACACACACAAAATGTACACACACTCATGGTCTGCCA
GTCTAGCAGTGGGAAAATGAAGATGAGGCAGGGTCTGAATGTCCACTTGCTCTCACTGACTGCCACGG
AGCATGGTATGTGAAGTGGGGTCTTATCTGGAGAACTGTCCATCAGGGCTGTAGTCTGGCTACAGTC
CACCAGGGCTGTAACATGCATTATCCATTTACAGTCAGCGAAACCATCGATAGAAAAGCCACAACAAC
AAGGGAGCTGCAGGAAAAGAATCATGTAAGCCCTCCTGGGTCTTCATGGCTTTAGGAAATAGGGAA
55 AGGCACCTAAAATGAGCAGGAAGGGCAACTAGAGTGGGGTTGGAGGTGGGGCAACCACATTTCAAGG
GCTGCCAGTCTCAACGAAGCTGCCCAAAGCGACACCTATGGTGTGGTGTGTGCCCCAAGGGCCAGCAA

GAGGAGTCTACATTTAAAGCTTACGTGACTCTTGTGCCATGCTAAACCACCTCAAGCAGGGGGGCCAA
CCCGGCGCGCCN

>'990809A-075.scf' came from CONTIG 68 at offset 0;"C:\export\EG_DB\990809a\990809A-075.scf"(60>563)

GCACGAGGGTGAAATTCAGAAGAAGGCGAGAGGGCAAACTGACTACTATGCTCGGAAACGATTGGT
AATCCAAGATAAAAATAAGTACAACACACCTAAATACAGAATGATTGTTTCGTGTAACGAACAGAGAT
ATCATTGTCAGATTGCTTATGCCCCGTATAGAAGGAGATATGATAGTTTGTGCAGCTTATGCTCACGAA
CTCCCAAAATATGGTGTGAAGGTTGGCCTGACAAATTATGCTGCGGCATATTGTGCTGGCCTGCTGCTG
GCCCGCAGGCTTCTTAATAGGTTTGGTATGGACAAAATTTATGAAGGGCAGTCGAGGTGACTGGAGAT
GAATACATGGGGAAGCTCGATGTACCTGTGCCTCACCTGTACCGGTGCGGACTGCCGCACTACGG
GATAAGTTTTGGGCCTAAGGAGCGCGNGGAGCTGCTTCTCCAGACCACGGTCTGNTTGATTAGAGCA
AGATCAGGCTGGACACGAGCCAATGCCA

>'990809A-074.scf' came from CONTIG 69 at offset 0;"C:\export\EG_DB\990809a\990809A-074.scf"(62>380)

GCACGAGGAAACAGGTTAGTTTTACCCTACTGATGATGTGTTGTTGCCATGGTAATCCTGCTCAGTACG
AGAGGAACCGCAGTTCAGACATTTGGTGTATGTGCTTGGCTGAGGAGCCAATGGGGCGAAGCTACCAT
CTGTGGGATTATGACTGAACGCCTCTAAGTCAGAATCCCGCCAGGCGGAACGATACGGCAGCGCCCGC
GGGAGCCTCGGTTGGCCTCGGATAGCCGGCCCCCGCCGCCCCCGCCGGCGGGCCGTGCCCCGCGTCC
CCCGGGGCGCGGCGCGGCGCGCCCCGCTGCGCGTCCGGACCGGGG

>'990809A-086.scf' came from CONTIG 70 at offset 0;"C:\export\EG_DB\990809a\990809A-086.scf"(62>593)

GCACGAGGCTAAGACCCGTGTGCAGCAGCGGCGGGCGGGGGTAGAGGCGGGGGCGGGGGCGGCGGC
AGCGGCAGCGGCAGCGGGGCTCGGGAGGCAGCGGTTGGGCTCGCGGCGAGCGGACGGGGTCGAGTCA
GTGCGTTTCGCGCGAGTTGGAATCGTAGCCTCTTAAATGGCAGATGATTTGGACTTCGAGACAGGAGA
TGCAGGGGCCTCAGCCACCTTCCCGATGCAGTGCTCAGCATTACGTAAGAATGGCTTCGTGGTGTCTCA
AAGGCCGGCCATGTAAGAATGTGGAGATGTCAACTTCTAAGACCGGCAGCACGGGCATGCCAAGTCC
ATCTGGTTGTATTGACATTTCATGGAAGAAATACCAGATTCTGCCATCACTCATATAGGAGTCCCCACA
TAAAGAACGATTCACTGTTGCATCAGATGATACTTCACTCCCAAGAAGGGAGTGCGGAGACTCCGCGC
CGAGAGACCTGCAGAAAGACAAAACACGGGAGAAAATTGTCAGGCGCCCCTGACAGGCG

>'990809A-072.scf' came from CONTIG 71 at offset 0;"C:\export\EG_DB\990809a\990809A-072.scf"(293>632)

CAAATTGTAAGCGTTAATATTTTGTAAATTCGCGTTAAATTTTTGCTAAATCAGCTCATTTTTTAACC
AATAGGCCGAAATCGGCAAAATCCCTTATAAATCAAAAGAATAGACCGTGATAGGGTTGAGTGTTGTT
CCAGTTTGCAACAAGAGTCCACTATTAAAGAACGTGGACTCCAACGTCAAAGGCGAAAAACCGCTTCA
GGCGATGCCCCATACGGAACCATAACCTATAAGTTTTTGTGTCGAGTGCCGTAGCACTAATCGAACCT
AAGAAGCCCCGTTAAGCTTACGGGAAGCGGGAAGTGAGTAAGAGGAAAAGGAAGGGGGGCCCTGC

>'990809A-073.scf' came from CONTIG 72 at offset 0;"C:\export\EG_DB\990809a\990809A-073.scf"(60>570)

GCACGAGGAGAAGGGGGACGTGGTGCTGCAGAGTGACCACGTGATCGAGACCCTGACCAAGACAGCC
CTCAGCGCTGACCGAGTGAACAACATCAACATCAACCAGGGCAGCATCACGTTTCGAGGGGGGCCCCG
GCAGGGATGGCATCATTGACTTCACACCCGGCTCGGAGCTGCTCATCACCAGGCCAAGAACGGGCAC
CTGGCTGTGGTGGCCCCGCGGCTGAACCTCGCGGGGATGAAGGCGCCCAGCGGACCCCTCCCGCCTCCC
AGTGCTTCGCTCATCCCCCTCCTNCCTTCCAGCTACCAAAGACTCGAGCTTGCAGACAGGGACCCAGG
GACACCTCNGAGCCCAACGACAAACTCCCGCCTNCTGCTCGGCCCTCTCTGNGGGGCGGGAGGGGCG
CAGGAGCTGCCAGNAGTGGGCAGCCGGGCCACACATAGGAGAGCCGGGCAGAGCAGCGCGCAGCC
CCTGNCATGCAATATTGAGAGAGGACTTTGTGAGTTTN

>'990809A-016.scf' came from CONTIG 73 at offset 0;"C:\export\EG_DB\990809a\990809A-016.scf"(51>603)

TATGGAATGATGCTGGCAGGCCTAAGGTTCAAGTAGAATACAAGGGAGAGACAAAGAGTTTTTACCC
AGAGGAGGTGTCATCCATGGTCCTGACAAAGATGAAGGAAATCGCAGAAGCCTACCTTGGAAGACG
GTTACCAACGCTGTCGTACAGTACCTGCCTATTTAATGACTCTCAGCGTCAGGCTACCAAAGATGCT
GGAATATTGCTGGTCTCAACGTAATTCGAATCATCAATGAGCCAATGCTGCTGCTATTGCCATATGGC
TTAGACAAAAAGGTGGAGCAGAAAGGAACGTGCTGATCTTTGTTTTAGGGGTGGCACTTTTGATGTG
TTAATCCTCACTATTGGGATGGATCTTTGAGTCAATCTACACTGGAGTACTCCTTGGGTGGGAGACTTG
ACACCGCTGTTTACCATTTTTGCGAGTCAGCGGACACAGAAGATTAGGAAACAGAGGTGGCGCGCTCG

TCGGTGGGGGGCTAGCGCCTTTTCGCCCCAGCAGTTGGATGTTCTTTGAGGATGCTTTACTTTCCG
GCCCTTC

>'990809A-014.scf' came from CONTIG 74 at offset 0;"C:\export\EG_DB\990809a\990809A-014.scf"(61>603)

GCACGAGGCAACGTCATCCGCTATTTCCCCACGCAAGCGCTCAACTTCGCTTTCAAAGACAAGTACAA
GCAGATCTTCTGGGGGGCGTGGACAAGCGCACGCAGGTCTGGAGGTAATTTGCGGGCAACCTGGCCT
CCGGCGGGGCGGCCGGGGCCACTTCCCTGTGCTTCGTCTACCCGCTGGATTTGCCCCGAACCCGCCTG
GGGGCCGACGTGGGCAAGTCGGGCAGTGAGCGCGAGTTCAGGGCCTGGGAGATTGTCTGGTGAAGAT
CACCAAGTCCGACGGCATCCGCGGGCTGTACCAGGCTTCAAGGGNNGGTGCAGGGCATCATCATCTAC
CGCGCGNCTACTTCGCATCTACGAACCGNCAGGGCTGCTCCCGACCCAGACACGCCATGNGGTGAGC
TGAAGATCGGCAGACGGACGGCGGGGGCGTGGCTCTACCCTCGCACGGCGGGGGCTGAGAGCAGCG
GCGCAAGGACGCACATGACAGCCCGGGCTGTGCGAGACTAGACAGGCGAGGCTTTCAGGCCTGGCAG
CN

>'990809A-018.scf' came from CONTIG 75 at offset 0;"C:\export\EG_DB\990809a\990809A-018.scf"(57>603)

AAAGCGCTCAAATTTATGACATACAACAGCTGTGGCCAGACTCTGCTTAAATCAAGAGACAATATGTC
TAGCAAGCACTGCTATGGAATACTGGAATAATTGTGTGGGCCAAAACAAAACCTTGCCAATGGGACTTCC
AGTATGATTGTGCCAAGCAACGGAACTCTCAGCAAGGCTATGAGAAGGGAAAGGGACTGTGTGTC
AAATATTTTGGAGCAGAGGGCAGAATCCGATCAAGGGGAATTTGTGGAACATCTTATTTCCAAATGTGT
CATTATCCAACATGGGCACATAAACTCATATCTAAACCTTGTGTTGAGGGGATTTCTTACTNTCTGCC
GCTGGNGTGTAGTCACATTGTGGGACACCTGTGTAAGTGGGTGCGGATCATTGTGTGCGNGACGGGTG
GANAGAGGGACGCGNGCGGCGGTGGTGTGTTGGGAGAGAGATGAAGAAGGGAGGCGATGTTGGGGAG
GCGGGGACGAGGCGNGGCGGTTTGTAAACAACCCGNGGAAGGCCCCACCTTTTGTGGCTTCTATTT
TCGCC

>'990809A-019.scf' came from CONTIG 76 at offset 0;"C:\export\EG_DB\990809a\990809A-019.scf"(54>593)

CGGCAGCATGTCTCACAGGAAGTTCTCTGCTCCAGGCATGGGTTCCCTGGGGCTTCTGGCTCGGAA
GCGCAGCAGCCGGCACCGCGGGGAAGGTGGAAGAGCTTCCCAAGGATGACTCTTCCAAGCCTGTGC
ACCTCACTGGCTTTCTTGGCTACAAGGCTGGCATGACCCACATTGGGGAGGGAGGTGCGATAGGCCAGG
GGCCAAGGTGAACAAGAAGGAAGGGGGGGAGGCTGTGACCATCGGGGAGACTCCGGCCCCATGGTG
ATTGTGGGCATCGTGGGCTACGTGGAACACCCCGGGCCTCCGGACCTTTAAGACCATCTTTGTGAGC
ATATTAGCGACGAGGGCAAAGGCGCTTTACAAGACTGCATAAGACAGAAGAAGGCCTCACAAAACCTG
AGGAAGGCAGACGCGACGCAGAAGAGTTGGAGGATTACAGATAAAAGACTGCAGTATCGGCATGCCA
ACCAATCGCTGTCTTGGCAGAGAGCCCTATGAGTCAGGACGAGCCGNGCCAAATGACGGCGGGAGTG
GC

>'990809A-083.scf' came from CONTIG 77 at offset 0;"C:\export\EG_DB\990809a\990809A-083.scf"(55>579)

GTTGACCTTGACCTGGGTAACATGAACGTTTCCTTGATATCCGCCTCACCAAGGACAATAATCTGACC
ACTGGCAAGATCTATCAGTACGTCATTAACAAGGAACGCAAGGAGATTATTTGGGGAAAACCGTCC
AAGTGGTCCCGCACATCACAGATGCAATCCAGGAGTGGGTAATGAGACAGGCCTTAATACCCGTGGA
CGAAGATGGTCTGGAACCTCAAGTGTGTGTTATCGAGCTTGGTGGGACAGTAGGAGATATAGAAAGC
ATGCCCTTTATTGAGGCCTTCCGTCAATTCCAGTTCAGGGTCAAAAGAGAGGAACCTCTGTTATATTCAT
GTCAGCCTCGTGCCGACGCCAAGTTCACAGGGGACAGAGACTAACCACAGACAGGGTCGGGACTC
AGAGGCTTGGCTTCCCAGTCTGTTGTTGCCGGGCTCAATCTCTGACCGCAGGAAAGAAAATATGAGTC
TGCTGGAACCGACAGGACTGGCCTGAGCTCGCCTTACGGTCCCTATGTAGA

>'990809A-081.scf' came from CONTIG 78 at offset 0;"C:\export\EG_DB\990809a\990809A-081.scf"(61>602)

GCACGAGGGATTTTTATTTTTTACGCTGTTGTTTCAAGGTGGAGAATAAAAAACTGACTCTGTTCCA
ATCTTATTGGTACCAATCAGTATACATCACTTAAAGCTGTTGCTCCTGAGCTTATATTGAAGTAGCCCT
AAGTACCTGGTGAAGTTTACATGTATAAGAGAGTTACACATTTGGGGGTTGAGTTGATTCAACGTAG
TAACATAAACATACTCTAGAACTATACACAAAGATTTACAATTTAAAAACATAATCAGNCACCTTATT
ACCTGGAAATTTATTACTTTTTACTACTCTTCATTTGCTTCAGACAATACATATTTTCTTCTATAATC
TAGAATTCAAGAACCAGGACTCTAATCTTTTTCTCTCATCTTATCTTTCTAAAATTGCTGGGTAGA
GATCAGGTATAAATATTTATTAATTGATTATTATGGTAGGGGGAGGCAAGAACCAACCATACAGGA
TCATGCTACGATTTAGACATAGNCAAAACAGAGAAGGANNATATTTTTAAGGATATATAT

>'990809A-077.scf' came from CONTIG 79 at offset 0;"C:\export\EG_DB\990809a\990809A-077.scf"(55>571)
 GTGGTACTAACCTTACTTCCCTTAGTGTTGACCCGGAAGGAACGATGGTGCTGGATCTGGATTTGTT
 TCGGGTGGATAAAGGGGGGAACCCAGCACTCATCCGAGAGTGCAGGAGAAGCGCTTCAAGGACCC
 GGGACTGGTGGACCAGCTGGTGAAGGCAGACAGCGAGTGGCGACGATGCAGATTTCCGGGCAGACAAC
 5 TTGAACAAGCTGAAGAACCTATGCAGCAAGACAATTGGAGAGAAAATGAAGAAAAAAGAGCCAGTG
 GGAAATGATGAGTCCATTCCAGAAGAGTATTAATCTCGATGACCTCACTGCAGACACTCTAACTAAC
 CTGAAAGTCTCACAGATCAAAAAGTCCGCCTCCTCGNCGACGAAGCCTCTGCAGGTGACGCCGAGCGG
 ATAAAACGGGAGCTGACGCCTGAGAGCGTTCGGAGATCGGGACCTCTGCACCGNCGNGCCATCACGA
 GACAGATGCGACACAAGANAGAGATTGGGGGATGTCAGNCAGAGA

>'990809A-085.scf' came from CONTIG 80 at offset 0;"C:\export\EG_DB\990809a\990809A-085.scf"(27>51)
 TATCTAGTGGTTTCCCCCGCTTCT

>'990809A-082.scf' came from CONTIG 81 at offset 0;"C:\export\EG_DB\990809a\990809A-082.scf"(61>456)
 15 GCACGAGGCTCTGGCGTCCCGAATTCGCTGTGTTTTTCTCACAGGCTGTGTCCCGTCCGCTGGCCCAA
 CACCTCAGGGGAACGATGGGCCGAGAGTCCACAGCCACTGCCGGCATCACCGCGGAGCTGGGTTCT
 GCCGACAAAATTGAAGAAGATGCCCCTGCTCCTTCTACTTCTGCAGATAAAGTGGAGAGTCTGGATGG
 GGATAGTGAAGCTAAGAACTCTTGGGATTAGGACAGAAACATCTGGGAATGGGTGATATTCCTGCA
 GCTGGCAATGCCTTCCAGGAAGCAGCTAGNCTTTTAGGTAAGAAGGAGGGAGAGACAGCTAATGAAT
 20 GTGGAGAAAGCCTCTTTTTTTATGGGAATCGCTTTGGAGTGGGCAGATGGGAGATGGG

>'990809A-071.scf' came from CONTIG 82 at offset 0;"C:\export\EG_DB\990809a\990809A-071.scf"(49>598)
 TAGGCGCAGATCACCTCGGCCTGGTCAAGTTCAAGAACCACAGGCCATCCAGACCGTGCGCGCCCGG
 CAGAGCCTGGGGCCGGGGCGCTGTGTGCTAGAGCGCGGGGGCGCGCTGGCCTGCCCCAGGTCTGTC
 25 CAGCTTCTGGGCCCCATCGGCTCTCGGAGCGTGAAGTGTGCTCCTGACTGTGCTCCGAGTGGCGAGGCT
 GCGGCTGCGGACACCCCGTGGAGGAGGCGTTGGAGTCACGGGTCAGCGGGAGCCAGCAAGGAGGGG
 GACAGCCACGGAGAGCTGAGGATGAGGATTCGGCCCCGGGCGCTCAGGCTCTCAGGACGTGCCTGTC
 CCAGCCCAGCCTCTGAGCTCCAGCAAGCCCCGACCGCTGCGCCCTATTGCTACTCTGCAGATGTCCGA
 CCAGCTTGGGCTGGGCTGCAGAGGCGGACCCGGATCGTGACCACATTTAGACTGGAGCCGCTGGGAC
 30 ACGGACAACCCAGCTAATTGATCACGAGCCATCTGGGTGTGGGCTGGTCTCCGACCCCCCTCGCCC
 TTTTACATC

>'990809A-070.scf' came from CONTIG 83 at offset 0;"C:\export\EG_DB\990809a\990809A-070.scf"(59>543)
 GCACGAGGGTTTCACATAAAACACAGGGAAAAATGTCACGCTTGAAGGTGGCCCTTCAGTTCTCCTAG
 35 TGAAAGGGCATGTAGCAACAGTACCTTGTGCCTGGCCATCTTTACTCCAGCTCACGTGCTCTGGTACCT
 CATTGTGTCCTCACAGCAGCCCTGGAAGGCGGGAGGGGCGCTACTGCCATCCTTGTGTGTGTGAAAAAC
 TTGAGACCGAGATAAAGGCCAGCGACTTGCTGACTAAAGTTGCCTAGGTTGCCAAGCTGTGCCATCA
 TTCCACACTCAGCAGAGACGGGGAGAGCACCTGTGGGGCAGAGACTGAAAAAAGTCCCCAGNTCCGC
 TTTGTCCTCCTGGGCCCCGCGCTGCCCTGCCAGCCAGGTAAGTCTTTCTCTTACGATGATAAACCTG
 40 ACACAGTCTTGTGCGACACAGGGGCTGGCTATCTCTGCATATCACAACTACTGGCTCCTGGGGCA
 CGGNAAGA

>'990809A-080.scf' came from CONTIG 84 at offset 0;"C:\export\EG_DB\990809a\990809A-080.scf"(61>603)
 GCACGAGGCTTGCATCCAGTTTGACTACAAAGGAGCTTCATCTTTCAAGATAACCCGTGGAATTGAAG
 45 CAGTTGGTGGTAAATTAAGCGTGACGTCAACAAGGGAACATGGCCTATACTGTGGAATGCCTGCGG
 GATGATGTTGATATTCTAATGGAGTTCCTGCTCAATGTCACCACAGCACCAGAAATTCGACGCTGGGA
 GGTAGCTGCCCTTCAGCCTCAGCTAAGGATTGACAAAGCTGTGGCTCTCAGAATCCACAGGCTCACG
 TCATTGAAAATTTGCATGCTGCCGCTTACAGAAATGCCTTGGCTAATTCCTTATATTGTCCTGATTATA
 GGATTGAAAAGGACACCAGTGAGTTACTGACTATGTACAGAATCATTTACAGTGCAGGAGGCTTTGT
 50 TGACTGGGGNGTCATCTGCCTAAGCAGTGCTGACACTTCTACATAAGGGGGCTTGTATTGGGCAAGC
 CAGACCATGAGGAAATGAGACAGAGAGACGCCGCCATCCGTTTGGCAAAGCACCTGAAGCAAACAA

>'990809A-076.scf' came from CONTIG 85 at offset 0;"C:\export\EG_DB\990809a\990809A-076.scf"(56>562)
 55 TTTGATTGGGAGGAAAAAGACAGGCCAAGAAGCTCTCTCTCAAACAACCATCTCATGGACCCCATTC
 AGGAAAGCTCTGAGTATATCATTTTCATGTCATCCAGTTGGCATTGATGAAGAACCCTTACAGTTCCGA
 GTTCTTGGAACTCTGTAGTGCCACCTTGACGGGCTCACCAGAGGGGCCACCTACAACATCATTAG

GGAGGCAGCAAAAGACCAGCAGAGGCAGAAAGTTTCGCGGGAGGGGGGGTACCGNNGGCATTCTGTT
GACCAGGGCCCCGAGCCAGCCCACACATGACTCCTGCTTCGACCCCTCACGGCTCCCATATGCCATTGG
AGAGGGTGGGAGGGATGGCTGTTTGGCTTTACTCTCGGC CGCCTTAGCTTGCGCTGGGCATTCCATGC
GATATCTATGTGCTGACAGGGAGAAGCTCAGAAAGGGAAGGAGCGAGGGAGATGGCGAGAGGCGC
CGGCCTGAATGAAAGAGATAGGTGACCCAGAGCCAG

>'990809A-005.scf' came from CONTIG 86 at offset 0;"C:\export\EG_DB\990809a\990809A-005.scf"(5>15)
ATTTTCGCGGN

>990809A-011.scf' came from CONTIG 87 at offset 0;"C:\export\EG_DB\990809a\990809A-011.scf'(49>63)
TTTTGTTTAACACCT

>'990809A-023.scf' came from CONTIG 88 at offset 0;"C:\export\EG_DB\990809a\990809A-023.scf"(1>14)
GCCGCATGAAACCC

>'990809A-041.scf' came from CONTIG 89 at offset 0;"C:\export\EG_DB\990809a\990809A-041.scf"(5>17)
ATTTGAAACCCC

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>'990820A-045.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-045.scf"(58>535)
AGGCACGAGGCAGAGACGCAGCAGCGGCTCCCTCTGCCCACACCCACCGCGCCCTCGCGCTCGCCTCT
CCTTCCGAGGCCAGTCCGTGCTACCGCAGGCGCCAGTCCACCACCACTCTGCAGCCATGTGCACC
AGGTCCGTGTCTCGTCTCTCTACCGCAGGATGTTGCGCGGCCCCGGCACCGGAGTCGGGCGAGCTCC
ACCCGGAGCTACGTGACCACATCCACCCGCACCTACAGGCTGGGCAGGGCGCTGCGCCCCACCAACGAG
CCGCACCTCTACACCTCGGCCCCGGGGGGGCGGGGGCCCCCAGCGCTGCCTGGCCGTGCGCTGCGGGC
GGCGGGCCGCGTGGGGGGGTGGAGAATTGGGGGATTCCGGGGCCGACGCCTCACACGATTCAAGACA
CCGACACGGGAGGGGGGCGCAGACCCAAGCCGCTCGCAAATAAGGACAGGGGCTCTGAGAGAAAAA
GAACG
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>'990820A-013.scf' came from CONTIG 1 at offset 3;"E:\SEQUENCE\export\EG_DB\990820a\990820A-013.scf"(54>434)
CCCCGCCAGAAACGCAGCATCGCTCCCTCTGCCACACCCACCGCGCCCTCGTGTCTCGCCTCTCCTT
GCGGAGCCAGTCCGTGCTACCGCAGTCGCCCAGTCCACCACCACCTCTGCAGCCATGTCCACCAGGT
CCGGGCCCCGGGCTCCTACCGGAGGATGGCGGGGGGCCCGGGAACCGGAGGGGCGGCCGAGCTTCACCG
GGGTACGTGACCACATCCACCGGACCTACAGCGGGGGAAGGGCGCCGGGGGCCACCCCCGCCGGAC
CCTTACACCGGGCCGGGGGGGGGGCCCCCCCCCGCCCGGGGCGGGGGGGGGGGGGGGCGGG
GGGGGGGGGGGGGGCGGGGGGCTTGGGGGGCGGCCCCCAAACCAA

>'990820A-002.scf' came from CONTIG 2 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-002.scf"(62>518)
GGGCGGGCGTGGTTTTTTTTTTTTTTTTTTTACGGGGGTGGCTAGGGGGCTTCTGGAGTCTTTTATTT
TGTAATATATAAGATACCTTTTTTTTGTTTTATTTGTTGAAAAGAAAGCTTTCATTGGCTTTTTATGG
TGGGGGACATGGGGGGAAAGGGGGGAACCCCATGCATGGCGCACTCCCCCCCAGGGGGGGGGGGGGG
GGGGAAAGGGGCGGAAAACCCCGGGGCTCCTGGTGAAAAGCTTCCCGGGACAGGGTCCAAATGCAG
GAACCAAAGGGGCCGGGGAGGCGGGGGGGGAACCGCGGAGGGGTTCACTCTTGGGAGGACATAACA
TGATTCGGCCCCAACTTCCCCACCCGGGGTAAAAATTTCTAAAACCCCGGTTGGACTGGGGGGCGGG
GGGGCCGGGCCCGGGTGGGTGGAAACAGGGGCCCAAAAAAAAAAAGCGACC

>'990820A-043.scf' came from CONTIG 3 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-043.scf"(58>460)
TGGCACGAGGGAAAAGGTGGCTGGTGGTGAATTGCTGGGTTCCTCCCTGGTGCCTACTGGGTTTCCCAAGGGTGGCTGGTTGGGGCGGAGGGCGGGGCCCCCGGCCCCCTTTGGGAAAATGCCTGGGACCCCCCTTGGCCCCCTCCCTGGCGCCTGGGTGGGAAAAAAAAGGGAGCAAAAAGGCCCCCGCGGGGAAGAAATGGGGCCCCGGTTGGGGGGGGCCCCGGGGAAGGGCGGGGCCCCCTGTTCCCCCCTGGGGCCCGGGTGGGGGAGAAAAAGAGCCCCCTGGGGGCGACGGGCACCTGTTGGGGGCTCCCGGGGACCTCCTGGAACCTAAAGGAATTTGGTGGGACAGGGGGGGGGGGGGGGGACGGGGCCCGGGCCAAA

>'990820A-035.scf' came from CONTIG 4 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-035.scf"(60>530)

GCACGAGGGTTGGGGTTAACAATTTTTTATTAGGGG
5 GGAGGTTCTGGAACAAGGAAGAAAGGGGGGGAGGAGGGAGGGAGGGGGGGAGGAGAACACCAA
GCCGGGGTAGGTGGGCCACGGCCAGAGGGAAAAAGGGGGCCCCGGGATGGAAGGGGAGCGGGGAGG
GGGACGGGGGGCAGGCAACAGGAGGGGGACACGGAGAGGGGGGGGGGGTAGGGGACAAGGGGGACC
CCACATCCCCGCCGGTCCAATGGTAACAGAACAACCAAAGCCCCGGGGGGGACAAGGGGGGCAACTT
GCGTTGGAACAGGGTTAAAAATCGGGGAAGGGTGACCAACGCCCTTGCGGGGGGGTGAGAAAAAAA
10 AAAGAAAAAACCCCCGGACAAAAAGACCCCATATGTTGGTGGAGAGGGGAAGTGGGGGGGAACCC
ACGN

>'990820A-014.scf' came from CONTIG 5 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-014.scf"(56>446)

15 GCACGAGGGTTTTTTTTTTTTTTTTTTTTGGGTACCAAATTACTTTATTTGGAAGGAATGGGTACTAAAGA
AAGAACTTAAGTTGATGTTTTGTTACAATTATAGAAAAGATGAAGGTAACCCAAATATGGCTGCACT
GCCTTGGGGACCAGGGAAGGCACCCCTGTGGGTGTGGGAAACCAGCCTGGGGCTTTAGTTCACTGGG
GCCAGGGTGTGCTTGGGAAAGGGGACCTCTGCCTTGCCAGATCCCGGAGCCCCCTCTTGGGCCAGGT
GGTTTTGGGGGCACCCATTTTTTGGTGGTTTCCCCGTCTATTAAGGAAGGGGTAAAGAAAACACAA
20 AGGGGTTATTTTTTAGGGGGGTGGGGGGGGCCGGGGGCGGTTCCACCT

>'990820A-011.scf' came from CONTIG 6 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-011.scf"(60>496)

25 GCACGAGGGTTTTTTTTTTTTTTTTTGTCTGACTGAGCAGCATGTGGGAACCTTAGTTCCTTGGTCCAG
GGGATTGAACCTGGGCCCCCTGCAGTAGAAGTACAGAGTTAACCCTGGAAGTGGTACCAGGGTATTT
CCACACATAGATTTTAGGAGCTTTGTGCTGTATGCTTAAATGCTGGCATTCCAGAGATAACATGAAGA
CAAATGGGTGGAGAGTCTCATCATCTGTTTTCCCTCCGGGGCTGGCCATAGAAGACTGAAATCCA
GGGAAGAAAGATGCTGCAGCAGCAGAGAGCGCTGATTCAAACCTACCTGCTTACAGGCATGCTCGACG
30 GCAGAGGCAGGCGGGGCTAAACAAACCGGGGACTATGTTTCTAATTGAAATACGTGTGGGCTTTCCTT
GTTGGCCGGGGCAGGAAGGAACGAGTGG

>'990820A-003.scf' came from CONTIG 7 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-003.scf"(61>525)

35 GCACGAGGGTTTTTTTTTTTTTTTTTCTCATTAAACTTTTTTAATGGGTCTCAAATTCTGTGACAGATTT
TTGGTCAAGTTGTTTTTCATTAATAAAGTACTGATTTTAAAACTAATAACTTAAACTGCCACACACAAAA
CATATGGTCCACAAAAACATTCTCCTTTCCTTCTGAAGGTTTACGATGCATTGTTATCATTAACCACT
CTTTACTATTAACTTAAATGGCCAATTGAGACAAACAGTTCTGAGACCGTCCTTCCACCACTGATTA
AGACTGGGGTGGCGGTATTTGGGGATATATTCATTTACCTTTTGACTTTTTGGCAGACTGGGACCTTCC
ACCCAGCGCCTCCTGCCATGTTTTGAGACCCCGCGATGTTTGTAGTCCGCCAGAAACGCCAGGGA
40 GGAATAAAGAACTTTGCCCATGGGTTGCCGACCTTAACGTGGGGGGGGCCC

>'990820A-038.scf' came from CONTIG 8 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-038.scf"(50>535)

45 AGGCTCGAGTTTTTTTTTTTTTTTTTGGGAAAACAAGAAATCAGTTTATTTTCATCATTTTCTTGGCAT
TTGGAAGGTAAGTCCCGGATGGACATCGCTTGGGCCTTGAGATTCTTTGCCATAGACCCTAAACCACC
ACACAACTGCAACCAACCACTTTACGAGGGTTCCCTCTCTGTCAATTTTACAGAGGCCTACCCCTTCC
CCTAGTTTCTTTTGGCATCAACCTTAATAAGGTGATTTGAAGCTCAGCACAAAGGGCCCTCACCAACT
TGACATACATTAGCTCATCAGTGGGATGCGAGCACACACAGAGGGGCTTGGCGCTTGGGCTAAGCT
TCGAGATTCCGATTCCAGGCTAGCCATGGGATGAGGCGCCTCAGCCCCTGCGAAAGATAACGCCTTAC
50 ACCCCGCACATGCCTCCTGCCTGGGGGGGTAGGGGGGGCAAACCTGATGCCCCACCTCCCCCGCGTCC
CGGTGN

>'990820A-072.scf' came from CONTIG 9 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-072.scf"(9>114)

55 GGGGGGGGGGCCGTTTTTTTTATTTTTGTTTTTCTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTT
TGTTTGGTTTTTTTTTTTTTGGTTTTTTTTGTTG

CAGGAACGTAGGGATAAAAAAGCCAGATTTTAAGGGGGCCTCGGGGCAGTGGGACAGGGAGAACTTT
TAATTTCCAGAATTTGTTTCCTAGGGGGAAGGGGGCCGGGGGGGGTTCGGGGGGGGGGAC

>'990820A-009.scf' came from CONTIG 15 at offset 368;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
009.scf"(60>430)

GGACGAGGGGGGGGTCGGGGGGGGGACCGGGCCCTGCTGGGTCCTGCTTGGGCCCATTGGTCCCCCTT
GGGTGCCCCGGGGGCCCCCTGGAACCCCAAGGGCCCCGGGGGGGAAGGGGGGGGAAAGGGGGAAA
AGGGGGACAAGAGGGGAAATAAGGGGGGACCGGGGTGTTTTTGGTGTTCAAGGGGGCCCCCGGGCC
TTCCCGGCTTTGCTGGGGAGCAAGGGGTCTTTTCGGGACCTTTGGGTGCTGGTGGGTCCCCCGCGGTGC
CCCCGGGGTTTTTGCGGGGTNTTCCGGCGAAAAAGGGACTGAAGGGCTGGCCCAAGCCCCCTTGGGGCC
CCGGGGGCCAAAGGCGGGATGGGGATGGTGGGG

>'990820A-019.scf' came from CONTIG 16 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
019.scf"(60>343)

GCACGAGGGGGGGGCGGGGTGCCGGGTTTGGGGCGCGACGCCGAAGGCGTGGGAGGAAGGCGGAGT
GGGGGCCCGGCCGGGGGCCGTCTTTTGGGAACGGCAACGAACAGGAAGTTGGGGCCCCCGGGCCCCG
GGGCGGACGGGGGGGGGTGGGGGGGGAAGGGGGGTTCGGGGGGGGGCCCGGCCCTGGGGGGGTTT
GTGGGCTTGAAATTCCAAAGGGGGGGAACCCTGGCCCCCCCCACATAATTCTTCCTGGGGGTGCAAG
GGGGGGGGGGGCGCCG

>'990820A-094.scf' came from CONTIG 17 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
094.scf"(59>475)

GGGGACGAGGAGAAGCCATTAGAGGTTGGGCCCCATGCACAGATGGAATAGACTACACCAATCATTC
AAACACCCTCCCTTCTTGTTACTTTGCACGACTTGCAAATGAGGAGAAGAAGAAAAAATCGCTGCA
CCCCAACCAAGGACACTGAGTGGCAGAGCAAACCTGGCACTTTGCGTGGAAGAAGATGCACCTGAAA
TTCTGGCAAAAAGCAAGACCGGGGGCCTGATGGGAAGACATGGTTATGGGCCGGACCCCCCGGAGCA
CATAAATGGGGGGGACCAGAATCAGCCCTCTTTAAAGTGGGGGATGGAAAAGTGATGGGACTGGAA
ACCCGGGGGCTAAGGGGGGGGTGGGGGGGTAAAGTTTTAGGGGGGGGGAAGGGGGGGTTTTTCG
GTGGGGGGGCGAGCCC

>'990820A-005.scf' came from CONTIG 18 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
005.scf"(118>329)

TGTCTTTCCACTTCAGGGATGACCCTTTCCCAACGACGTGAATCTCGCAAGGCTTCCTCCCTTTTGTTAA
CGAATGGGACGTCTGGCGGGAGAGTCCGGGGGTTCAGCACACGCTTGGAGGTGGTGGGCCCCATGGG
GACCTGTACTGGCTTGGCCGGCTGTGTGTGTGGACGGCGCTTTCGGGGCGACTTTGGGGGGGCCCAA
GTCCCCA

>'990820A-017.scf' came from CONTIG 19 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
017.scf"(60>389)

GGCACGAGGAAGTACTTCTTGTCTGGGAAAATTCCCATGGGATGGGAGGGACGCCTGGGTAGGTCTT
ACAGGTCTATGTGGGTGCGCAAAAGAGGTCGGGACGGCGACCTGAAGTGAAGTTTACATTAAAGGC
TGGTCACCCATTGTTTGCATACATTTTATGGTCTTTGAGTTTTGTTAAGGTTCTTATGACTTTTTTCT
GGGGGCTTTTCTGGGTGGGCTAAAGAGGGTTTAAAGCCGTCCGGCCTGGCAATGCCAGAAAGACCCC
AGGGTTCAATTCCTGGGGTTGGGAAAGATCNCCTTGAAAAGGGAAATGGGAAA

>'990820A-008.scf' came from CONTIG 20 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
008.scf"(55>287)

AAAACATCACGTTGGGAGAACCGCCTGGGGTTTTGCACTCGGNGGGGGGTATTTTGGGGACCTTTAC
TGGGCAGCTCCTGAAAGGCGAGACACTGTGAACATTCAAGTGAAGCAAAAGCCTTTCATGATTACAG
TGCAGCAGCCGCCCGAGCCCCGTGCTTGGCAACATTCCCCCAAGGATGGGAGGGCGGGAGGGCCCA
TTCCTCCGGTTTTTTTTTAGCTTTTTTTTA

>'990820A-004.scf' came from CONTIG 21 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
004.scf"(209>270)

CCGGGAACCCAAAGGGATTTTTTCTGTTTGCTGAGATTATACTATGCCTGGAGATTCTGATC

>'990820A-016.scf' came from CONTIG 22 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-016.scf"(54>535)

GTCCACAGGCGTGCTGGGCTCCCCGCTCATCTCACTGCTCTTCTGGATCCTCATCTGCTTCTCCATCGCG
GCCCTGTTACCAAGCGCTACAGCATCCGCCCCCTCATCGTGGCGCTCATCCTGCGTTCCATCTACTAC
5 CTGGGCATTGNGCCACGCTCAACATCCTGGGTGCCCTCAACCTGACCAACAAGATCGGGGTCGTGGG
GAGCTTTGTGGGCAACCGTGGCACCTTCATCCGGGGCTATAAGGCCATGGGCATGGACATGGAGTTCC
TTACCACGTGGGCTACATTCTAACGGGGTGTGTTTGGCCCTTTGGCCCCGAGCCTTTTACGGATTCTGTTT
TTTACCCTTTTACGGGAAGGACCTGGAAAAGGGAAAAAAGGGACCCGAAGGCCGCCAACTGCTGCC
10 GCCGTGGCCCCATCGGCTACCTTTTCTTTGGGGTTCCTTCCAAGAACATTTATCTTGGGGGCCGGTGC
C

>'990820A-033.scf' came from CONTIG 23 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-033.scf"(54>544)

CGCCGCGCACGCCATGGGAGGCCGGGGACTGACGACGAAGTCATACGGTAAGCGTCGTCCTAATCGG
15 ATGGAGGATGGTGGCTGGGAGATGAATCGGAAGAATTATATCTGCTGGTGAAGGTTTCATTAAATGG
TGCAACTCAGGATCTCAGGAAGAGGGATACAGCCAGTACCAACGTATGCTGAGCACGCTGTCCAGTG
GGAATTTTCAATGGGCAAAACTTTGCTGGTATATGATATGAATCTCAGAGAAATGGAAAATTATGAAA
AAATTTACAAGAGATAGAATGGTGCATTGCTGGGAGCCCATGAAAAAATTGCTGAGTGCAAAAGCCA
ATTCTTCAGCAAAACGATACAAAAAATGGCAGATAGATGCACTGGCAAGGGATCCACACATCAGCAG
20 CCCCACGCAAAAGACTCGGGCCTGGAAAGAATAGACTCTTAAATTAAGAGGGNGAAGAAACGGAA
AGAACGAACGCCAGGCTC

>'990820A-020.scf' came from CONTIG 24 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-020.scf"(60>504)

GCACGAGGCAGAGGTGCAACTTTCTTCGGTACGTCCCGAATCCGGGTTTCATCCGACACCAGCCGCCTC
25 CACCATGGCCGCCTAAGTTTCGACCCCCAACGAGATAAAAGTCGTGGACCTGAGGTGCACCGGTGGGG
AAGACGGTGGCCACGTCTGCCCTGGCCCCCAAGATCGGCCCTCTGGGTCTGTCTGCAAAAAGGGCGGT
GATGACATCGCCAGGGCAACGGTGGTTGGAAGGGTCTGAGGATTACAGGGAAACTGACCATTNCAAA
CAGACAGGCCCAGATGGGGGGGGCCTTTGGCTTTGCCTTGATCTTCAAGCCCCAAGGACCCCCAGGAA
30 AGAAGAAAAAATAAATTAACCAAGAACATTTTTTTGAGAATGAAATTGCCGGGGAGCGTTGGGGTT
TATTGGAATTTGGGACATAGGGAATCGGGACGGCGGGGGG

>'990820A-010.scf' came from CONTIG 25 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-010.scf"(60>532)

GCACGAGGCTGTGTTCTGGGGAGAGGAGCACCACTCCGGACATTACTGGCTACATAATCACCACCACC
35 CCAACAGACGCGCCAGCAGGCGATACGTGCTCTGGAGGAAGAGGGGCATGCGGATCAGAGTTCTCTGC
ACCTTTGAAAACCTGAGTCCGGGCCTGTTGTACAATGTTTCAGTGTTTACACTGGCAAAGATGACAAGG
AAAGAGTCCATATGTCTGATACCATCTTTCCATCTGTCCCTCCTCCCAGTGATTGGCGATTTACCAATG
TTGGCCCTGACACATGCGTGGCACCTGGCCTCCACCTCATCCATCGAACGACCACCTCTGTTGCTCTG
40 GCTGGGAAAAAGAGGGAGGTGCCGGCTGCCTTTCTCCTCAACAACCAGGATTTAAATTCTGCCGGCC
CGACTTTATAAGGTTCAAGGTAAAGAAAAGAAGCAACTTAAGAAGAAAAAACGCTTGATTCCC

>'990820A-007.scf' came from CONTIG 26 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-007.scf"(58>532)

TGGGACGAGGGGGGGCCTGGGGGCTAAAGGGAGAAAGAGGACGGCTCCTGGGGGGGGAATGGGGGT
45 AGGGATGGCCGCTCCCGGGAGCCCGCGACCGCGCCGGGAGGGTTTTGTGGCCTGCCGGCTCCCCCA
GGGCCCCCAAAGGTGTGAAAGGGGGAACGTGGGCAGGTCCTGGTGGGTCCTGGTGGCTGGTGGGTTG
CCCGGTGGGTGCGGGGGCCTCCTGGCCCCCTCCTGGGAGGAATGGGTTACCCACGCCCCCCCCAGGCTC
CAGGGGGGGGCTCCAGGGCAAAGATGGGCCCCCAAGGTCCACCCTGGCAGGTATTGGGGCTTGTGG
50 GAAGCCCGGGATTCTCTGGACCAAGGGGTTTTTTGTGACCAGAGGGGAGGGGGGACCCGGGCCCCA
GGGGCCTTCGGGGGCTCAGCCCACTAGAATTGATGATTATTGGAGCCCAAGGTTGAGGCCCCCAGGCT
CTAG

>'990820A-023.scf' came from CONTIG 27 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-023.scf"(60>543)

GCACGAGGGTGAGGCGGGGTGGGGGCGGAAGCACGGGTCTCCAGCGGCTCGACTGGGGAGTTTTTGG
CTGGAGCAACGGGGAGCACCATTGGATATCTGGACTTGGTATGACGAGTTTTGGGGAATTACATCGGA
ACCAGAGCTTGATTCTGATGAAGAATGATGATTGAATTGGGCAGAGAGACCAAAGATCTTGATGAGGT
CGAAGAGGACGAGGACGACGAGGGGGGCCGAACACAACGAAAAACACCCTGGGTGGTGGGGGGG
5 GTGCAGCAAGACAAAAAGACCACCCACCGCCGGGGGGGGGACGGCCCCAAGGGGGACCATAGTA
AGAGGAAGACACCAGCCCTCCAAAACCATATTAAGCAGGAAACCAAAAATTACTCGATGAGCAGAGT
CCTGCACGGGGCGCAATGGTTTTGGCGGAATGATGAAATCGGCTTATAAAATGGACCTTTGGGCTCTG
ACCCGAAGAAGTTT

10 >'990820A-031.scf' came from CONTIG 28 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-031.scf"(54>351)

CTGCCCTGCAGGGGCATCCTGAGTGTGGATTCCACTGTCAGCTCCTCTCCTTCCACCTGTGCTGTGACTC
CGAGGGATATGTACGTTGCACTTTCTCCCAGAAAACTCTGGGCCAAGTGCTGTGAACCGGGGGAATGGA
GAAGGCTAGAGGGAGACCCACTACCACCTTCAAAGACCTGTGCCAGAGAAACCCAAGGGGGGAAGA
15 AAAGCTGGCATCGCGGCGNGGGTCTCAGGAGATACCCGATAGAGACTGACAGCTTTGATGTGCCCTGT
ACCCAGTGCTTTGCTTACAGGAGGT

>'990820A-027.scf' came from CONTIG 29 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-027.scf"(60>518)

20 GCACGAGGGGGTCTGGACAGCATAAGCATCATTGACACGCCGGGGTATCCTGTCTGGAGGAGAAGC
AGCGGCATCAGCAGAGGGTATGACTTTGCGGCCGTCCTCGAGTGGTTTGCCGAGCGGGTGGACCGTAT
CATCCTGCTCTTTGACGCCACAAAGCTGGACATCTCTGACGAGTTCTCAGAGGTCATCAAGGCCCTCAG
GACCACGAGAACAAGATCCGTGTGGGGCTGAACAAGGCCGACCAGATTGAGACGCAGCAGCTGATGC
GGGGCTACGGGGCCCTCATGGGGCCCCTGGGAAGATCATCAACACCCCGAGGGGTCCGGGTGACATTG
25 GCTCTTTGTCCACCGCTCTCATCCCGACACGCAGCTTTGAGCTGAGAGAGACTCTTAAGAATCAGCTT
GCCCCAAGCGCCCTAGAGCTATGACTATAAAGGGCGGGGCCAGGCAGCGATT

>'990820A-022.scf' came from CONTIG 30 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-022.scf"(55>247)

30 TTAAAGTACGAGGGTGAGGTGAGGGGGGGGGAAGCACGCAATCCACCGCCGACTGTGAGTTTTTGG
TTGGAGGAAGGAGAGCACCATGGATACTGAGTTGAATGACGAGTTCGGGAATGACATCGCACCAGAG
TGGGCCGGTGGAGGAGAGGATGTTGAAAAGGGCTGAGGGACCAAAGATGTTGATGAGGT

>'990820A-029.scf' came from CONTIG 31 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-029.scf"(60>526)

35 GCACGAGGAGCGCCGCTCTGGCCGCACTGCGCTCGCCCTGAGCTCCGGGCTCCTGCTAAGCCAGCGCC
GCTGTGCGCTCCCTCCAGTCGCCATCATGATCATCTACCGGGACCTCATTAGCCATGACGAGATGTTCT
CCGACATCTACAAGATCCGGGAGGTGCGGGACGGGCTGGGCTGGGAGGTGGAGGGGGGAAGATGGTCA
GTAGGACAGAGGGTAACATCGATGACTCGCTCATTGGTGAAATGCCTCGCTGAAGGCCCGAGGCGAA
40 GGGTACGAAAGCACAGGATCACTGGTGTGATATTGTCATGAACATCACTGCAGAAAACAGCTNACA
AAGAAGCCACAGAAGACATAAAGATACAGAAGGCAACAAGGAACTGAAGAAAAGACAAAGAGAA
AACTTTTGAAGGGGCGCAAACAAACAGCCAACTGCTATTAAACATAAGCTTAGGGGAAAAGAT

>'990820A-021.scf' came from CONTIG 32 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-021.scf"(54>537)

45 CTAAATTCCTTCTATGTCCAATGGGAACAAGCGATGCTGGACCCTTTTCGATTACATGGATGATATGAG
ATGGACGGAAGGGGNAGGCCGAGGGTCGGTGGAAGAGCACAAATGAGTGTTATCATGCCATCTGTT
GGTCACAGNGTTAACTTGGAATGGATCTTACGAAGGTAGTTCTTCCAACATTTATTCTTGAAAGAAG
ATCTCTTTTAGAAATGTATGCAGACTTTTTGCTCATCCGGCCCTGTTGTGAGTATTAGGGACCAAAG
50 GATGCCAGGACCGAATGGTTAAGGTGTGAAAATGTATTTTTCACCCCTTCACGCAGAAGAAAGGACGG
TGGCCAAAAGCCACCAACCCCTTGGGCGAAATTTAGGGCACTGACATACAAAGAACGAGAGAGGGGG
CAGGCCAAAAGACAGTCCTGTTCCAGAAAAGAACATTGGGGCGGCAGTTCACATCCCCCTTACTTTT
TGCGGGGG

55 >'990820A-032.scf' came from CONTIG 33 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-032.scf"(54>526)

09642350
"09642350"
09642350

TGCCCCGTGAACCTGCTCCGAGCCGGCCGCATCTTCGTGTTCGAGCCACCCCCGGGCGTGAAGGCCAAC
ATGCTGAGGACCTTCAGCAGCATCCCCGTGTCTCGGATATGCAAGTCTCCCAATGAGCGTGCTCGCTTG
TACTTCCTGCTGGCCTGGNTCCACGCCGACATCCAGGAGCGCTTACGATACGCACCCCTGGGCTGGGC
GAAGAAGGATGAGTTCGGGGAGTCTGACCTGCGCTCGGCCCTGCGACACGGGGGACACGTGGCTGGAC
5 GACACAGACAAGGGAGACAGAACATCTCGCCAGACAGATCCCCGGTCCGGGCTCAGACCCTGTGGCC
CATGCTNTATGGGGCGGGGACACGAGTCGACAGCGCTGCTACACTTCCTGACGCCGTCAACCCGGGT
TNGAAGNGGTCAGCTGGCTGCAGGCGAGCACAGGACATCAAGCGGCGCATAGCGAAGGATGGCAT

>'990820A-028.scf' came from CONTIG 34 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
028.scf"(60>520)

10 GCACGAGGGTCATTGCTGGTTCTGGATTTTGGCACGTCTTTGGGTCTCATGTTGCTAACCCAAACACCA
CAGGACTTAAGGCTGTAGGAACAGTTCTTATTTGGGATTAGAGCAATTACTGAAGAAGGATTATGT
TCTTGTGAGAAAACGAATTTATGATTAGAAAACCCCTAAAGACAAGGTAAGCAACAAAATATGCA
AACAGATGTTGNTAATTAAGTGTCAATTTTGTCTTACAGCTGTTTGCAGACAAAGATCCAAAGACAGC
15 AGATTAGTTTACAAAGGGTATCTGATTATTACTTTGTTGTGNGTGTCTCCTTTTGTCTTATAATAGTT
ATATCTTTAATTTACAGAACTTCGGCTTGACACTGAGAGAAGATTGGTTAAAGTCTGTTTACAATAT
TCGGTTTTTGGCAGGATGAAAACGTACTCTGGTTGCTATTAGATGACTGN

>'990820A-034.scf' came from CONTIG 35 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
034.scf"(60>526)

20 GCACGAGGGCCGGCTCTGGGTGGTCAGGCCTTGCGAAGCTGACCTGGAGGAGAACATTAAGAAAGGC
AAAAAGTGATCCGGACCCCCAAAATCTCCAAGCCTATCAAGTTGAGCTTTCTGGCTGCACCAGCAT
GAAGACATACCGAGCTAAATTCGCGGAGGGTGACAGACGGGCGGCGTGCCACCCCCACAGAAC
CACCACCTTCCGNGGAGGTTCAAGTGGCCTGATGGGGAGGGCATGAAGAAGAGCATGAGGTTTCATC
25 AAGACCGCGCTGCCATTACACCGCCCCGAGACATGACTCTTTGGGCCCTGACTACAGAAGATGATGG
GGACAGGCCTAAGCCGGGCAGGGGACCGGAACATTTGCTGGCCTGAATGTTCCATTATTTTGGTCCC
GGGGTTTACAGGCCAGTTTTTAATGGGTTTAAAGGGAAAAAAAATCCCCAAATAAAATGGGCTT

>'990820A-037.scf' came from CONTIG 36 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
037.scf"(11>408)

30 AATTCGGGCTCTGTACAACACTAGATGATCTACAGGGCTGCTGGAATTATGCACGATTGTCTATTCTATAT
TGTTACCCCAATTATCTTGTGCGTAATAATGGTTGATACTTGTGTCTGTGGGGAAATATGTTATGCC
GGTCTACAATTGCACATCATTGTAACGAAGGCGGAAAACATAAAGATGTAGAAGCGTGGGGAAGGGC
TAAAGGAAGGAGGCTCAAGTGAAATTAATGTGCGATGGGGGTCCCTGCCCCCGCTTTCCCGGGGGCCA
35 AGACCTACCCCGGCAAGGTGGTTTTAACGAAAGNGGAACATCGGGGCGAGGAGAGGCGGCGTTTTG
CTCCTTTTCGCCTCTTTTGGTTTCTTTTGTTAAATTAATAAAGTATTGTTGGAAAAAA

>'990820A-039.scf' came from CONTIG 37 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
039.scf"(60>580)

40 GCACGAGGACCCAGGGCCTGATGGGAAACAAGGGTGGAACCGGGGGGTGGTTGGGCGGCTCCAGGG
CACTGTTGGGCCCATTTATGGGTCTTAGCGGGACTCCCCAGGGAGAGAGGGGTGCGGGCTGGGCATT
CCTGGAAGGCAAGGGGAGAAAAAGGGTGAAACTGGGCTCAGAGGGTGACATTTGGGAGCCCCTGGT
AGAGAAGGTGGCTCGTGGGGGCTTCTGGTGCTATTGTGGGCTCCTTGGCCCTGCTGGAGCCAAAGG
GGGACCGGCGGTGAAAACCTGTCCCGCTGGCCCTGCTGGCCCTGCTGGTCTCGGGGTAGCCCCTGG
45 GAACGGTGGGGAGGCCGGGCCCCGCTGGCCCCAACGAATTTGTGGTNCCGGTGGGCTGGTGGTCACCT
GTGCTAAAGAAAAAAGAACCAAGACCAAGGGGAAATGGCCTGTGGCCCCCAGCCCCGGGGACCG
GCGGCCGCTGCCAAAGCCCCCTGGCCTGCGGAAGCGGGGAGGAGGGCCC

>'990820A-040.scf' came from CONTIG 38 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
040.scf"(55>520)

50 GGACAAAATCTACTTCATGGCTGGGGCCAGCAGGAAAGAGGCCGAATCTTCTCCCTTTGTTGAGCGAC
TTCTGAAAAAGGGCTATGAAGTGATTTATCTCACAGAACCTGTGGACGAATACTGCATTACAGGCTCTTT
CCGTTTCGACGGGAAGAGGTTCCAGAATGTTGCCAAAGAAGGAGTGAAGTTGATGAAAGTGAGAAAA
GGAGGAGAGGCGCGAAAGCAGTGAGAAAGAAATTGGGCCTCTGCTAAATGGATGAAAGATAAAGCC
55 CTCAGGACAAGACGGGAAGGCTGGGGGGCTGACCGCCTGACAGAAGCTCGGGGGCTGGAGCCGCCG

NCGGGGGGTGGGCACTGAGAGGTCAGAAAGCCAGCTCCCGCAGCANGCCTCTCACCATTTTTTGC GGC
CAAGAAAATTGAATTACCCACCCCCCTATCGGCCGCCGGGGGAAGAGAGAAAGACAAAG

>'990820A-041.scf' came from CONTIG 39 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-041.scf"(60>514)

GCACGAGGATTTAGTGAGATTTATGCTCTTTAAATTACATCCGTAGATACAATGTTTATCACTCTAAAA
TCATTATATAGTTTATAATCATCTATGTATCTAGAAAAAATGATTTATTAAGTGTAGGATGAAAGACC
ATTTGGCAGTTTCCCAGACTTTTGGACTTTATCAGATTATAAAATAAACTATTACTGCTTACATAATGGG
GGCTTAGTGTTTGCTGTTTGGAGGTCTCATTTCTAAATTTTTCCCCTTCTATAATGGATTATTTAAAGGA
TATTATATATAATTGGATATTATAAAGGGTTCATACTAGGCTGAAAAGATCTAGGCAAAATTTAAATA
TCTTTTGTGAGAAACTATAATAGTATTATTGTTTTCACAAAACACTCCATGACTCCTCCTCTTCAAT
TATAATTTAAACCCCCAAAACCCAGACCTTGGCTTGGGGN

>'990820A-046.scf' came from CONTIG 40 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-046.scf"(55>533)

TTAAAAAAGGAAGGAAGGAAGGAAGGAGACAGGAAGGAAGTATTGAAAAAGGATAAAGA
GCAGAAAGGAAGGAGGAACAGAAGGAAAAAGCAAGGAATAAATAAATCACAGTTACTTGAAATTC
ATAATCAGAAGAAATGAATTATATCTCCAGCATATGTTGTATAACTCTATGCTAATAAATTTGTAGATC
TATTAGAAAATGTGTGATTAATAAATGATACAAGAAAATACAGAAGATTGGCGTTACTATGAAAGAA
ATGAAATATTGTTTAGTTTTCTTGAAAGAGGGTGGGGGCCGCTGATTTTTTAGGGAATCTTTATGCT
TTCTGAACAGATAGCCTGGTTAATTAATACTTAGATATAAGAAAAAGAAATTGTAGGTATTTTGGGA
GGCACTTACATGATTAAAACTAAGAACCCCAAGGCTGACCATTAGACAATTTGGGAATCTAATTTAAA
TTCAACC

>'990820A-049.scf' came from CONTIG 41 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-049.scf"(60>510)

GCACGAGGGCGAATCGCAGAGCTCTGCACCTCGTGTTCAAAGGGGAACCGCTTCGAGACGGCGTGTT
TCTATCGCGATGTCCTGGGGATGAAGATTCTTCGGCATGAGGAATTCCAGGACGGCTGCAAAGCTGCC
TGTAATGGGCCTTATGATGGGAAGTGGAGTAAACAATGGTGGGGTATGGACCTGAGGATGATCACTT
TGTCACAGAGCTGACTTACAATTACGGCATGGCAGCTACCAGCTTGGCATGACTTCCTGGTATCACGG
NGGCTCCAGGCAGCTGGCAGCACGCTAGAAGCTGAGGGGCGCTCAGGAATGGAGATGGGGGGTTGGA
CCAAGCCCCTGAGATTTTAGTTTTGCGGACGGGCCCCCTACCAACCGATAAAGAACTTGCGGGGCGA
CTCAAAGCCTGACACGGCCTACTACGGGAGAAATTTGAGAGTGG

>'990820A-052.scf' came from CONTIG 42 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-052.scf"(57>345)

GCACGAGGGGCGAGGCTATAGGTCCATGGTAATGCTCAAGAAATGTCATGACATTGACTTTCATTAGA
CAAAAAACAGCAAGCATTTTTAAACCCTGGTTGGGCCGTTTTATTTTTCTTGTGAATTTAAAACTTTT
TAAACTTTTTTTAAGGGGGGGATGAGAGGGGGACCGGGGGGGTTTTTTTTTGGCTTTTGGTTTTAAC
CAGGGGGACTTCGGGCCCAAAAAACATAAATACATTGGGGCACAAGGAGAATAAGGGAATAAACA
TAAACCTTGGGGCAAG

>'990820A-053.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-053.scf"(60>202)

GCACGAGGATAATATCGTAGGTTTATAAAACCTATTTATAACACTTTTACATATATGTACATAGTATT
GTTTGCTTTACGTGTTGACCATAAGCCTTGGGTGAACTTAAAGGAGCTAAGGAACTGGAAATCTTA
ACTTAT

>'990820A-054.scf' came from CONTIG 44 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-054.scf"(60>298)

GCACGAGGCCCCCGCCCATGGCTAGCCTCCTGCTCCTGCTTCTCTGCCTTGGTTGGGTGTCTACCTTCC
AGGGGCCCCATGGCTGCAGACGTGGGAACTGGCTCTTCTGAGCTCAAGTGTGCAGCGCACATCGCGGGA
CCTGTCCTGTGAGCAGCCTGAGCTGACCGTCTCCTCCCAGGGCCCCCGCGGNCACAGAGAAGAAGC
CCGCCCCCCCCGGGCCGAGAGGCCCAAGGGTTGGA

>'990820A-055.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-055.scf"(51>514)

TGGTTTTTTTGGAAAACCAAACATGCTTTATTTTCATTTTTTTCACAATTTATTTAAACATCTCACATATA
CAAAATAGGTACAATTTAATTTTCTGCTTGTCGAGAAACAAGACTTCTTTGGAACCATGGGAGAGG
5 ATGAAAATGAGACTGGCAAAGAACAATGCTGAATTTAAAGAAGAGGACAATGTTGGGCAAATGATC
CACTTACTTTGGGGGAATAAGAGGAAAGGACTGATGTAAAGACAATGAAAAAAAAAACACAAACAGC
TCACAGCGNGGAGGATCTTTCTCAATTCCTAGCACATCAACATTCTCAGAATCTGAAAACCTGGTATTA
GCACCTGGATTTGACAAAAACAATAACCACTCTCCTGTCAGACTGCGGGGGACAACACGAAGGGTT
TGGGGAGTTAACTTGGAGTGGGTTAACTCCCTCGGGAGAATTAAGCCCCGGGGGCA

>'990820A-056.scf' came from CONTIG 46 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-056.scf"(54>506)

TGAGAGCCCCACAAGGACCACAGTGGAAAGATCCTGGCAGAAAGGAGAGTGCCACCCAGCACCCATCCC
TCACCTTCCATATTCCTTTCTCAACACCTGCTAGGGCCTGGCAAAAGAGCTTTTCCAGAAGACTTAGG
15 GGAAACCAAACCTGATATTTTTTTTGGCCAAGTCATACATCTTGCAGGATCTCATTTCCCAACAGGGA
CTGAATCCAGCCCACAACAATAAAAGCGCTGAATCCTACCCACTAGACCACCAGGGAAATTTCCAAAC
TGATACCTAGAAGGGGGNGGGTATTATGGAGTTTAGGCTTCTGCGCTAAAACACCNCAACCTGCTAC
TGTATGGGAAAGGNAGGGACCACACAGGAGAAGAACCACCTCAGCCCTGGAATGGGAAGAAAAATT
ACATGTCAGTTTGGGCGGAAATCAGGCCAAAAGAAAGAGACCCTC

>'990820A-057.scf' came from CONTIG 47 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-057.scf"(54>504)

GCAAGATGATGACTTCTTGGCCACCTTGAAAGAGCTGGAAGCAACCCTCCGGACCCAGAGCCTCTCTC
TGGAGTGATTCTGAAGGGAAGATCCTGAACAACACCTACTACCAAGAATGCCTCTTCTACCTGCACA
25 GCTACAGCAGGCCGCCAAGAGCAGCGGGGACGCAGGGGTGGCAGACATCTGCTCCCAGTGGCTGCTG
ACAAGCCGCGAGCCGGGGTCCCCATGGTTTCGGCCTCCAGCAGTGACCCTGGCTGCAGGCCAGACAGCG
NGGGGCAGGAGGATGGCGCCTTTCAGCTTTCTCCGGGGGCAGGACTTCTGGCTCACCCAGGTGG
AAGGCGGGAAGNATCCACCTGCATCTGAGCAGATGGACTTCCGCAGGCCAGTTTGAAAAGTGAGGCG
GGGGGGGTGGCGGGAGCCGCCTTTACCAGAGGAGGGGGGGGAAGCC

>'990820A-058.scf' came from CONTIG 48 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-058.scf"(54>525)

CTTTTCCAAACACGGGAGCCAGGATCATGCTGTTCACTGGGGGACCCCCACCCAGGGAACCTGGCAT
GGGGGGTGGTAGATGAATTAAAGGTTCTATTTCGTTCTTGGCATGACATTGAGAAAGACAATGCCCCG
35 TTCATGAAAAAGGCAACCAAGCACTATGAGATGCTTGCGAACCGCACTGCTGCAAACGGTCACTGCAT
TGATATTTACGCCTGTGCCCTTGATCAGACTGGACTCCTGGAGATGAAGAGTTGTCCAATCGTACTGGA
GGGTACATGGGGAGGGAGATTCTTTCAACACTTCTCTTTCAGCAGACATTCAAAGATTTTAGTAAGA
TTTATGGAATTCGATGGGCTTTGTGTACTTGAAGAAAGACCAGGGGCGGAGGGCGGGAGCATGACCT
GGGGGTTTAAAGGAGGACGGGGGGCAAAAAGACTGGGGCGGGCAGGGCAAGGAAAATGGGCG

>'990820A-059.scf' came from CONTIG 49 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-059.scf"(54>533)

CAGCAGCAGCAGCAGCAGCAGCAGCAGCCTCGGGGGGGGCGGCAGCAGCAGCAGCGGCGGGGCGGC
CCGCGCGGGTGTATTATGTGGGGTCGCGGGGTCTCCTGGCAGCATGGCGGACTACCTGATCAGCGGCGG
45 CACCGGTTACGTGCCCCAGGATGGGCTCACTGCGCAGCAGCTGTTCCGCAACGCCGACGTCCTCACCT
ACAACGACTTCCTGATTCTCCAGGATTTATAGACTTCACAGCTGATGAAGTGGGATCTGACTTCAGCC
CTGACTCGAAGATCACACTAAAGACGCCATCATCTCATCCCCATGGCACTGNGACGGAGGTGACAT
GGCCTTGATGGCTTGATGGCGGTATGGGTTTCATCACACACTGACTCAGAATTCAGCCATGAGGGCGA
AGGAAGAAAATGACAGGCTCATCAGGCCCGGGGGCTAACCCGCTACGGGGGAGGGCGAGGCAAAAC
50 CGGCGGA

>'990820A-060.scf' came from CONTIG 50 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-060.scf"(60>529)

GCACGAGGATCAATGGAACAGATGGAGACACTTTTACCCGCTAATCACCAAAGATGAAGTCCTTTA
55 TGTCTTCCCATCTGATTTTTGCAGGTCAGTGTATATAACTTTCAGTGACTTTGAGAGTGCCAGGGACT
GCCTGCCTTGAGGTATAAGGGGCCTGCAGAAATATTAGCCAATACCTCAGACAACGCTGGCTTCTGTA

TACCTAAAGGAACTGCCTGGGGTCAGGAGGTTTGAATGTCAGCGGCTGGAAGAATGGCGCACCTAT
ATCATGCCTTCCCACACTTCTACCAGGCAGATGAAAAGTTGGCTCTGGCCTGGAGGCATGCATCCAAT
AGGGATATCATGGGAGCTTGGGGCATCAACCCCTGCTGGATATCCTAGAGCAGCAGAGGTCCAATAAT
GGTATGTAGAAAATAATGACTCATGAACAGAAAATTCAACCCGGTTCCCAGGGGGAATAAAG

>'990820A-061.scf' came from CONTIG 51 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
061.scf"(54>521)

TCGGAGTTTGCCACTTATCGGGCATCCTTGGTGTCCGCAGCACTCTCTCCCTCTCTCTAGGGCGGCGAC
CTCCGGCGGCCGAAAAGTCACCATGTCCATCCTGAAGGTCCACGCCAGAGAGATCTTTGACTCTCGTG
GGAATCCCACCGTTGAGGTTGATCTCTTACCCGCGAAAGGGCTCTTCAGAGCTGCTGGGCCCAGTGGC
GCCNCAACTGGAATCTATGAAGGCCTGGAGCTCCGGGACAATGATAAGACGCGCTACATGGGGGAAG
GGGGCTCAAGGCTGGTGAGCACATCAATAAACTATGGCGCCGCCCTGTTAGCAGAAGCTGACGCGG
GGAGAGAAAGAACGACAGCGAGATAAGAGGAAGGACAAAAAGGCAGTTGGGCGACGCCTCGGGGG
GGCTGCTGGTGCAGGTGGCGGGGGAGGGGGCCCCCACCCCCACGCCCGGGGGGAGGGGGGAAN

>'990820A-025.scf' came from CONTIG 52 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
025.scf"(60>249)

GCACGAGGGTTGGGGTCCGGGCCCCCTCGCTTCTACCCCTGACCAAAACCGAAGTCCTGACGTGTTGGGG
TCCGGCCCCCTCGCTTTTACCAAGACCAAACTGAAGTTCTGACGTGTTGGGGGCCGGACCCTCTCTTC
TACCCACACTAAAACCGAAGTTCGACGTTTATGGGGGCCACTGGGCCCGAATC

>'990820A-066.scf' came from CONTIG 53 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
066.scf"(55>526)

GCCTAATTTTCAAAAAGAAAAACCATAAAGTTAGCTGAATAGTTTCTTTATTTACACATTGAATCACAAC
TGTCCTACTTAGAAGATTTTGTAAAAAAATTTGTTTATGTGTCTTTACACTAAAACAGAACTTAAAAG
ATGAATTTTATGGCTCATGTAACCTACAAGGTTGAGAGCAGTTATAATTTTACTGGCCTAGCGCCATT
AAAAAGTATTTAAGATTATAGTAGGAAGTATGTAATTATTATTATTTATTTACCTTAAACGATGGATGA
ACCATCACACATTTTCAGCCATTAAAAGGAAAAATAGAGCATCATACATGATTTCAGAGACAAGCAGCGT
ATCACTATTAGACTAATAGAATTTTGTATATTTCCACTTCTGTTTTTCAGCGGACAAAGAAAACAGTGG
CCGCTGCTTGATTAATAACCCCAAACCTTTGCTTTTAGGCGAAATAAACGAATCCAACCA

>'990820A-073.scf' came from CONTIG 54 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
073.scf"(60>537)

GCACGAGGCTCATGCCTGTGCTGCTGCAGGGCCAGGCCCGACTGGTGGAAGAGTGTGTCATGGGCGCCG
GGGCAAAGCTGCTGGCCTGCGATGGCAATGAAATTGACACCATGTTTGTGGACCGACGAGGGACAGC
TGAGCCCCAGGCACAGAAGCTGGTGATCTGCTGTGAGGGGAACGCNAGCTCTATGAGGGGGGGCTGCG
CCTCCACACCTCTGGAAGCTGATATTCAGTCTGGGGCTGAATCATCCAGGCTTTGCTGGAAGCACGG
GGNGGCCGTTCCACAGAATGAAGCCCACAGCATGGATGTGGTGGGCCCAGTTGCCATTACCGCTGG
GCTTTAAGCCGAGAAATTTATCCTTTTCTGCCATGGGGGGTCACGGTCGCGGCCGCTGTCTACCGG
CTTATGCCGGACCTGGTGCTTCTTTGTGACCGGGCCCTGCATGAAGAATCCAAAAGTGGGGGCTGGGC
CCGN

>'990820A-064.scf' came from CONTIG 55 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
064.scf"(60>465)

GCACGAGGTTACAATGCCAGCTTGGGAAAAACAGAGAGTGTTTCTTCTAAAGGCGATCTGACGAACT
CAAAGGTCTAGAGAAGGAGGTGTCCCGCAGCCCCACCACCAGCAGCATCACCAGCGGCTACTTTTCC
CACAGTGCTCCAACGCCACCCTGTCCGACATGGTGGTCCCTTCCAGTGACAGCTCAGATCAGTTGGC
CCTTCCAACGAAGACACAGATTCCAGCGAGCATCCGGACCGTCCCTTGGGCAGATTTTCAGACCATCTT
CAAACAAGAGTTGACAGAACTAGAAAGAGCTTGGGAAAGGATAGATGACCGGGTGCCACTCAGAAAA
AGGCCTTACCAAGGGGCCCTTGCCCCCAGTTCCGGGAAAACTCAAACCTCTGTGGACGCTGGTTAGA

>'990820A-063.scf' came from CONTIG 56 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
063.scf"(54>534)

CTTTGTCAATTGTACCTCCATAAACTGGGAGGAAATGAACAATAAACAGTAAAAGAGTCAGTGTTT
TTGTTTTTAAAGAACAGGGAATCTCAGTGCTACTCTTACACTGTTTCAGAGAAACAGGAAAATAAGGA
ATACTTTTCATTGTTTTATGAAGCAAGGTAACTAGCGCCGAACCTGATGTAAAGATTACTAAAAA

GAAAAAAATAAACATAGCTCAGTCTTACTTTTGATAGCTACAGGGGTAATTTGGCCTTCTAAGAAAA
GTTTGTATGTTTATAGATTTTATACTGAAGGATTAAGGGGAAGATGTCATGATGACTTTTTTTTTTCTTG
CCTGTCGTTTTACTTTAAATCTTAGATTGAATATATACCTAGATTTTGGTCTAGGTGGCCGACGCTT
CTTTTTAGGGGTCTGGGAGGAGGAGGCCGACCTTTTTGGATATTAATTGAAATGGGGATGGACCGN

5 >'990820A-069.scf' came from CONTIG 57 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
069.scf"(56>464)

AGGCACGAGGGCGGGGGGTGAGGGAGCGACCGGGGGCCGAGTCGCCGGACCCCGGCCGGGGCGATG
TGGGAGGCGGGCAGCGGTGGAGCTGGGGGCCCGGGGCTGTTGGGTATACTGTTGGCCCTCTCGCTGTC
10 GGGGGGCCGTGCCGCAAGAGCGACGCGGGGCTTGTGACCTGCGTGTGCGGTGTTGAACTTGTTAAAA
CGCAGAAACGGGGGCGGGGTGCACTCGCACGAAATAAAATACGAATCCGCCAAGGCCAAGAGCGGG
GGGACGGGGGGAGGGGCCCAAGAACCCCAAAAGTATTGCGGTTCCCGGGGGGACGGAGGCGGAGGC
CCCGCGTCCCGGGCCGGGAAAGGGGGAGCTGTCCACGGCTAACGAAAAACCGCCCCCATTC
TGCCGCTT

15 >'990820A-071.scf' came from CONTIG 58 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
071.scf"(56>459)

ACCGTGGCCGGGTGGCCGGGTACCCGGGGAGCCAAACCCCGTCCAGGTGGAAGTAGGAGAATTTCGAT
GATGGTGCTGAGGAAACCGAAGAGGAGGTGGTGGCCGAGAACCCCTGCCAGAACCACCACTGCAAA
20 ACGGGAAGGTGTGCGAACTGGACGAGAACAAACCCCCATGTGTGTGTGCCAGGACCCACCACTG
CCCTGCCCCCATCGCCGAGTTGAGAAGGTGTGCAACGACAACAGACCTTCGACTCTCCTGTCACT
TCTTGCCACCACTGCACACTGGAGGGCACCAAGAAGGCCACAACCTCCACTGACTACATGGACTTGAA
ACTCCCCCTGCGGGATTCGGCTGCTGAATCCCTTGGCTGGGAAGGTTAAGAAGGCGGGCGCCGGCGA

25 >'990820A-065.scf' came from CONTIG 59 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
065.scf"(54>525)

CAGCATTCCAGGTTGCTGACTCTTTCAGCAGAGCCGGGCCTACGCTTTTGCAACCATGTCTAAAGGACC
TGCAGTTGGCATTGATCTTGGCACCACTATTCTTGTGTGGGTGTCTTCCAGCACGGAAGGTGGAAAT
AATTGCCAATGATCAGGGGAACCGAACCACCCCAAGCTATGTCGCCTTTACTGATACCGAACGGTTAA
30 TCGGTGATGCAGCAAAGAACCAAGTCGCAATGAATCCCACCAACACGGGTTTTGATGCCCAACGACTT
ATTGGACGAAGATTTGATGATGCTGTTGCCAGTCTGATTGAAACATTGGCCCTCATGNGGGNGAAGAG
CTGCAGCCTAAGGTCAGNAGAAACAAGGAAGACAAAGCTTTACCANAGAGTGACCTGGCCTGCAAG
AGAAGAAACGAAAGCCACTTGGAGACGGTCCAGCTGGGCCAGCCGCTTTTTAGACTAAGGAGG

35 >'990820A-070.scf' came from CONTIG 60 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
070.scf"(54>550)

CGGGGCCGAAGGGGGAGCCTATGGGCTCAGGGGCCCAACTGGGGGATCCCGCCGGCTGGTGCTGGGT
GGCCCATGGGCCCTGGGCCGGGAGGACTCGGGGAACCTGGCTTCGGCGTGAANGCGTTTGACTCGGGT
GCTTGGGTGATACGGCNGTCTTGTTCATCCGGGCCTGTGCAGTTGGACGTATCCCTTGCACACCCTACC
40 CCAAGGAAGAAGGAGTTGTACGCGTGTGAGAGAGTTGCAGGACTGTTTCAATTTGTCAGTTTGTGG
ATGATGGAATTTGATTTAAATCGGACCAATGGAATGNGAATCTGCATGTACAGAAGCATATTCCCAA
TCTGAGAGCAATAGCTTGCCATCTGGTGCCAGACAGCGGCAACCAGAAAGGACAGAGCACTATGGCC
GAGCAAAAGCACTACTTTCCTTTACTTGAAGAAATCTGAGGAAAGGGACCTGACAAAGCTATACCCCT
GCGACTTTACTCAGCGTGTGGT

45 >'990820A-086.scf' came from CONTIG 61 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
086.scf"(60>445)

GCACGAGGCTCTGAACCTTTTTACGAAGAAATATGAAAAAATTTGTATGGTGAGCTTCATGTTGAAGT
GGTTTTTTTTTTGTTGGTTTTTTTGAATTTGGAAAATCTGGAAAGTTAGCTTGGTTTTTAATAGG
50 GGCTATGCTCTACACTCCCCCTCCCCCGCCCCGCCACCCCCCACTCTTAACGGCCATT
AGGGTTTTACTGACCACTGGCTTTAAAGTTCCACTCTGTTTACTACATCATAATGCTGGGTTGCGGCC
TTTTTGTTTTTTATATTATAAAAAAAGAAAAGTGGGGATGGGTTGGAGCCAGCGCCCTGACCTTGGG
GGGATGTAACAGGCCCGGGACCGGGGCTCGGGCCCCGACC

55 >'990820A-047.scf' came from CONTIG 62 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
047.scf"(60>514)

GCACGAGGCATGATTAATCACACTGTTTCGGGCTGGCCAGTTTTTCATGCATGCAAGCTTGACAATTGA
GCACAGTCAGGCGTTTGTATTAAAAACGAAAAAGTGAAAAACAAATTCAAAACCTACTCAGAGGGT
TCTAGTTCAAATTGTTAGTGTAAATTGTAGCCGTTTACTGAGAAGAGCNGTTAAAAATTGGCTCACCTC
AGGAGCCCCGTGGGTAACTGGCCAGGCGGAGCGCCCCTGCTGCGGGCGGGCCTCTCTACCGCCCCTG
5 CGACCGTGACGCGCTGGCGGGGCGCCGCTGGGTGCGGGGGGGTGCCGGGTGGCTGGTGAAGGGGG
CAGGTTTCACATTATTCAATTTAAAAAAATTTTATAGGAGATTGGGCTTTGTTTAAACCTCGACGGGC
TGGGCCGCGGGGGGGGGGGGGCCCCACAACCAACCGGGGAAGAAA

>'990820A-051.scf' came from CONTIG 63 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
051.scf"(54>507)

10 GTTTCGGGGGCCAAGCGGGCTGTTTACTTATGCCGGAAGGGAAGTTTAAACATCCAGCCCAACAAAA
AGGGCTCCACCAGAAGCGCGCTGGCCAGGAACCTGGAATGATTGCCGAAGCACAAGAATTACTCCA
TGCTGCAGCTGATCCGGGCCATTCTGAAAGACCCACAAGATCCCACCAGTGCTTTTGGTGGTTTGCA
ACCAGACTGAAAAGACATTATTTTACGAGAGGACTTGGGGGACTGCAGGCCCCGCCCCCGCCGTTTAT
15 GTTTGGTTTACCTGGTAACCCCCAAAAGCCCCGGGGACGGAACCCGGTTCCTTGCCCTCCTGTTTTTC
TGGGCGGGGGTGACGGGGGGTGCCCGTGACTTTGGGTGGGGACTGGGGGTTGAGGGGCAGCGGCACC
TCCCTGCCCCCGCCCCGGCCAGTTGAGGGGGGTCTTCCCGCCC

>'990820A-092.scf' came from CONTIG 64 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
092.scf"(61>496)

20 GCACGAGGCTTCTTTCATGGATTGTATATTGTTTTCTTTATGGCTGATCTCACACTAAGCATGCTTCCC
TCCCCACCCAAAAGCTATTTCTTAAATCGGATGTTTTAAAAGAAAAAAAACCCCTCAGATTCTCA
ACAGGAAACAGTAACTGGTGTGGCAGTAGTTCAGAAATCACAAAAGATACAAATGTAAACAAATCA
CTATGCAAAAAGATAAAAAAGGAACAAAAGGAACAAATCTATGGACAGAAGTAAATGCTAAGAGACC
25 GGAATCATTTTGTTCACCAAAATTGCAAGAAAAGAAGAACAAAGCTCGACGGAACGAACAAAGA
AAAGATAAAGGCCCGACCAGGATAATTAAGAACTGGAGGGGAAGAGGGAAGGGGGGTCCGGGG
TACGTGGACCTATCAGGGGCGGGCACAGGAGC

>'990820A-093.scf' came from CONTIG 65 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
093.scf"(55>471)

30 CGTTGCCGTCGCCATGACCCGCGGTAAACCAGCGGAGCTCGCCCGCCAGAAGAATATGAAAAAGCAG
ACGACTCGGTAAAGGAAAGCGCCGAGATGACGGGCTTTCTGCTGCCGCCCCGAAGCAGAGGTAGCC
CCAGGGAGGGGAGGGGAGGCTGGGGTGAGACCTCGGTCTGGTTTCTGAGTGCCCCCGGGTCTGACCTT
AAGGGCAAGGGCGGGAGTTTACATTCAAATGCAGAAGAGGGTAGGACAGCCCGTACTTTGGGCCTCT
35 TGCTGCCATTTGCCCTCCTTCCCCAACCTTTCTGGGGGGGGGGGGGGATTGGGACAAAACCTGG
CCGGGTGGCCGACTGGACCCTGGCAAAGCAAAGAAACGATGCTTGGGCCACTTTTCTGTTCCGGG
GGAACACACCAT

>'990820A-084.scf' came from CONTIG 66 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
084.scf"(58>374)

40 AACACTTTGAAAGAATTTGACCAATAATGTATGTTTGGCTTGCTTTAGTTTTGTAAGGCATACTTTTT
TGCTTGAATTTCTGTGTCCAGGAGAGTTTGGATGTTTAAATGGTTCTTGAGCTAATTTTATAATATTTA
ATATATTACCAGTTGAGATATATAAAATTGGACATATTGAAATAAAAACAGGGGCTAAGGAGGGGG
AAAGACGGGGTACAGGGAGACCGGAGGGCGGTACCCATATGTGTAAAGGCATGACGAACAACCACCC
45 ATTTACCCTCCTGGGGTTCGGTGGAGAAAAAAAAGAAAACTG

>'990820A-087.scf' came from CONTIG 67 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
087.scf"(54>521)

50 GCTGACTATTCTCAACCAACCATAAAGATATTGGTACCCTTATCTACTATTTGGTGCTTGGGCCGGGA
TAGGAGGAACAGCTCTAAGCCTTCTAATTCGCGCTGAATTAGGCCAACCCGGAACCTCTGCTCGGAGAC
GACCAAATCTACAACGTAGGTGGAACCGCACACGCATTTGTAATAATCTTCTTCATAGTAATACCAAG
CATAATTGAAGATTGGGGAAGTACTTGTCCCTAATATTTGGTGCTCCCGATTAGCATTTCCCGAAA
TAAAATTTAAGTTTGGACTCCTCCTTCTTATTCCTCCTATCCCTGGATTCTTTTGGGGAGGGGGCGGG
AAAGGGGACCGGGGCCCCCTTTGAGGCACCTAGCCTGGCGGGTTTGTGTTTAACTTTTTTTTTTATT
55 TTTGGGGTTTTTTATTTGGGGCCTTAATTTTTTAAATTTTAAATTAACCCGGAGGG

>'990820A-044.scf' came from CONTIG 68 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-044.scf"(54>605)

5 GAGACATTCTCCACCTTAAGGAGGGGGAGCGGGGGCTTCCATTTCTCCTTCTCCTCCCTTCCTCCT
CGGAGCTCCCCACAGCGCTCCCCGGGCCCCAGGCACGCCACCACATGGAAGGAAAGGCCGTTGAGGC
ATTGTTGTTCCGAGGGATTTTTGGGCGGGGTTCCATGCGGGCGCCCCACTCGGGAGCCCCCTGGGCCT
TTTCCAGCCACTCCCCACGGGCCCCGGGGCTGCGGGGGGGCCGGGCCAACATAACAAGAACCCGGGGAG
GACGCCCTATGAGTGTGCTGTGGGACGGGAGCCGACTTCTGACCTGGGGGACATCAACGGGCACCAC
CTCCCACCAACCACATGGGGGGGGGGGGCCTGGGAAGGCTTGGAGGCGGGGGGGGCCGGCATGAACA
10 CCTGGGTCAAAGGGCCGGTGGCGGGGGCGGGGCCCATTTGGGACCCCGCCGCGGGGGGAGGGAG
GCCCCCTCCGGCCCCGGGGCGGCCCCAGGGGAGGGGGGAGAATTTGGAGGGGAGAGAATGAGCCGGC
TGCCCCACCCA

>'990820A-026.scf' came from CONTIG 69 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-026.scf"(60>583)

15 GGACGAGGGGTACATCTACGAGGATCCAGCTGTGCGGGCCATCACGGGGCTCCAGCAGGGCCCCGGGCT
GGCTCTGGGGGCGCAGCATCGTGCCAGAGGGAAGGCACAACGCACCAGGCACTTCAGTGCGCAAAGT
CGGGAACCCTCCAACCAAAACCAGATAACTACGGTTCAAGATGGGCGACCTTGGATTGGGGGGTTTAC
CTTCGGTCTCCAAAGTGGGGAAAAAAGACAAGACAAGGTCTGGTGTCCCCCACCATCTTCTTTCCA
CTGTGGACCCCTGGGGGAAGGGAGGGGTTCCCCGGGTTCCAGCCACGAGACTGGCCGACTGCCAGTA
20 CCTTTTCTCCGGCCCCACCTGTGCCGGGGGGCCCCGCTGGGGGGGGCTTTGACGGGGGATGGGAGGGGT
GGACCCAGGAGCCATAGGCTCCAGAGGGCACCGGCGGGCAGGGCTCACCCGCGCTGGGGCCCC
ACCGCCGCGGGCCCCCGCGCGGCAAAAGGGGCCGGGGAGGGAGGAGCGGTT

>'990820A-075.scf' came from CONTIG 70 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-075.scf"(53>527)

25 TTTTGTCTATTTTGTTCGTTGAAGTATCCCAAGCACCTAAAATAATGTACACAGCAGGTGGGTGTATT
GAATAAGGGTAATAAATATTTATGAGATACCCAGTATGTATTGGGACAAATATGAGCATTAGTTGTG
GCATGGAGAAATGAGAATGACCTTTGGCAAGGTCAAAGAGAGTGGAAGAAGCAGAGTTTCTCACTTCA
GAATTTTAAAAATTTACTCAAGGGGAAGCGGGAGGGAAGAAGCCACCGAGGAGGCCTCTTGTAAGT
30 CCTTGATATCGCCAAAGCACAGAAAAAATTTGGGGGTTTGCCTGCTCCCCCTATTGTGTTGGCCTAGA
CTTATATATCATATGGAACCTATTTCAGCAACAACATTTAGCTGGCTGATAAGAGACCTGAGGAGCG
AGGTACTAACCAAAACGAGCCGGGGGCCGCAAAAAATCTGGATAAGAAAAGGCAACACGAACAGTTC

>'990820A-074.scf' came from CONTIG 71 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-074.scf"(60>390)

35 GCACGAGGCTTTATTTTTGATATTTTGTATGAGCTTTTTATAAGTTTTGGATTTTGACCCCTTATCTGTC
ATACTGTGTGCAAATGTTCTCCCATTCAGTAGGTTATCTTTTCATTTTGTGATAGTTTGCTTTACTGAG
AAAAAGAGATAATTAGGACCCATTTATTGATTTTATGCTTTTATTTCTTTTGCTCAGGAGACAGATCC
AGAAGAATATTGGTGGAATAGAGGGAAAGAGGGGTTTGTCTGGCTTTTTTTTAGAGGTTTATTGCTTA
40 AAACCTCGCATTAAGTCTCTATTTGATTTGGGGTTATTTTGTCTAGAAATGAGAAA

>'990820A-082.scf' came from CONTIG 72 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-082.scf"(60>513)

45 GCACGAGGCAGGTTTACAACCTGGTACTGACTACAAGATCCACTTGTACACCTTGAATGACAATGCCC
GGAGCTCCCCTGTGGTCATCGATGCCTCCACTGCCATTGATGCACCATCCAACCTGCGTTTCCTGGCCA
CCACACCCAACTCCCTGCTGGTATCATGGCAGCCACCCCGCCAGGATTACTGTTTACATCATCAAAG
ACCAGAAGCCTGGGTCCCCTCTAGAGAAGGGCCCCCTCGCCCCCGCCTGGGGNCAAAGAAGCTTATATA
ATGGCCGGAAACAGAAACAAAAACAACCAAGCCATGCCCTAAAAACAACGAAAAGGAGCCTTGAT
GGAGGAAAAAGAAAAGAGCCCCAGCGGGACCCCTCACCCAACTTATGGCAAAATTGGTGGTCCTCCA
50 AGAAAAAACCTTTTACCAACCGGTTGAACGAAAGTTTAATTCCGGCT

>'990820A-076.scf' came from CONTIG 73 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-076.scf"(54>517)

55 TTTGTATAGAGCTGATGTGTGGGCTTTTAGAAACATAAATAAATAAATAAAGATCAAAAAGCAGGAG
GCACATGACTATACTGGAAAATATAAAGCCACATCTGTTCCATAGTTGCCTTTTGACAGCGATTGGC
AAAGAACCATTGAATGTATTCTCACAGTCTTTGCTTATGTCATGGAACCTTTGTCCCTAACTCTCCTTTC

CTGAGGGTATCGGGGCAGAAGGGTTGAATTATGAAATTGGGGTCTGTAAGGATTTGTTACGCTTGAGT
TGTTGCTCTTTAGTTGGTTTCTGTGCTTTCATGGGACGGTGAGCTCTGTTAGAAGATTTCAAGCCTCTA
ACCACCTATTATGGTGGCAGCGAGGAGCGCTGGACTGCGCAGACCAGAGGCCGTGCTTGGTGCTACAC
TTGGTCATATCCTAATTAATGGCCTCATGGGACGTTATTTATTAATGTGTT

>'990820A-080.scf' came from CONTIG 74 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
080.scf"(54>517)

CACAGCCTCCTTTCAGCTGTTTCTGTCTCAAAGTCTTTGCTAAAACATTTCTCTCTGCTACGATCCTCTC
CCATTCTGCCCCCAACTTCATCTCATTGTTGCTGTCTATGATTAGTCCAAATGTTACTTCCCAAGGAAA
GCTTTCTGACAGGACCAAAATAAGTCTGCATTTTCATATGCTTCAGAGCCACCTGAACCTCTAAAGCTAT
TCACTATTTTATGTATTTAGGTAATTTAGTGATTGAGGTGTGTCTCTCTTATGGACTTTAAAGTCTAGAG
AACATAAGCCCTGGCTCTTAGCCTCTCTGATCTCAGAGCCCAGACAAAGATGAAGAAGAACCACTCAT
CCGGCATCAGAAAGGGAAATTCCCCAGCTCCAGCCCAGATGGGCTTCTGCCAGCAGGGCCGGGATCC
GGGTAACCCGGCCGATAGGCGGGAATTAGCCGAGCTTTGGGGGAGCGGCTT>'990820A-078.scf' came
from CONTIG 75 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-078.scf"(60>424)
GCACGAGGGTGCTCCCGGCAGCCGCGGTCTCTCAGTGTCATGGGGCGCCGCTCTGGTTCCCGCCCTTG
CTGGTGCGGGAGGGGGGTGCTGGCGCGGGAGCGCTTTTTCTGTTTGGCTGGCTGGCGGGGACTTCGG
GGAAAGGGAGGGGGGAATGCGGGAGCAGAGGGAAGGCACCGCCCCCCCCATGGGGAGGGCTGGTGGC
CTCCGGGGCGGGAGATTCAGGGGCCGGGGGGCCCGCGGGGACCGGAGCCCCCGGGACCTTTCTG
CCCAAACCATGAGCATTCTTCAAAGAAAGCAATGGGTGTTTGGTTTTTTGAGACCCAAAGGCCCCAG
GGACCCTGCCCGGGAGGCAGCATGGGGG

>'990820A-077.scf' came from CONTIG 76 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
077.scf"(54>528)

TAGTAACTATTGGCATTAAACCAACCTTACCTAGCTTTCCTCCACATCTGTACCCACGCCTTTTTCAAAG
CTATACTATTTCATATGCTCCGGTTCCATTATTCACAGCCTAAACGACGAACAAGATATTCGAAAAATA
GGAGGCCTATTTAAAGCCATGCCATTACCCACAACAGCCCTCATTGTTGGCAGTCTCGCACTAACAGG
AATACCTTCTCTACAGGATTCTACTCCAAGACCTAATCATCGAAGCCGGCAACACGTCTTATACCA
CGCCTGAGCCCTTCTTATAACATTATTGCCACTCTTTTAAAGGTATTTACGCACCGTATTATTTTTTGGAC
TTCTGGACACCCGATTCTTACCTAGTAAATTAAGAAACACCCCTCTGATCAACCTTCAACGCTACTATT
GGAGCCGTTCAGATTTCATATTCCACATATCCTCACACAATCCCAATACATGCCTATCCTAAC

>'990820A-081.scf' came from CONTIG 77 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
081.scf"(54>539)

GGTCTGCGGCTCCAAGTATCTTGGGGCGGGGCGAGGAGTGCCCTCGACCACGTGTGGATCTGCTCGTG
CTCTTTCCCGNCCATTGGGCCTCCTGTGTGACGTGGGTTGACATGGGGCACACCTGTGGGGCCTGGGGT
GCTGACCTCTGGCTACCCCGCACCTGACCAACCAGATGTGGGGGAAGGAATTTAGGGCTGTTTCTCTA
GCCCCACGGAGCCACCAGNGAGGGGGTCTGCCCCAGACCTCTGGACCAAGATTATACAGGGGAA
ATGAAAGAGCCCGAGCACTCTGCCCAGAACCTTGTCAAGAATGCCAAAACGCGCATCGGCCACGC
AGGCAACAGGCAGCCTGGGAACCAAGCTGGAACATTCTTGCCCTGGGTCTGAGTGGACCCATGNAG
CATCTGGCTATTGAAGAAGAAAAAAAAGGGGCGCAGGCCCTTGCTTTGAAAGCCACCTTTACTTTA
AAGGCTAGGTTT

>'990820A-090.scf' came from CONTIG 78 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
090.scf"(60>330)

GGACGAGGTGAGAGCCCTGCAGGTGCGGACCGGGAAGTTCAGGCCAGCGATGAGCACCACCCGGGA
AGTCAAGGCTGATGGATACGTGGACAACCTCGCAGAGGCCGNGGACCTGCTGTCAGCACGCGGAC
AAGTGACGGGCCTTCTGGGAGGGCCCCGCTCTGCCACCTGCCCGTGCCCCAACCCAGGGTG
CTGCCCTCGGCCCTGGATAAGAAGGGAGAAGGGGGCAGCCAGGCTGGTTTGGGCCCCCGGGCCACC
CA

>'990820A-088.scf' came from CONTIG 79 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-
088.scf"(54>514)

CTCGCGGCGGCAAGATGGCCGTGCAAAATTTCCAAAAAGAGGAAGTTTGTGCTGATGGACATCTTCAA
AGCTGGAAGTGTAAACGAGTTTCTCACTCGGGAGCTGGCTGAAGATGGGTACTCTGGAGTTGAGGTCCG
AGTTACACCAACCAGGACAGAAATCATTATCTTGCCACCAGGACACAGAAAGGACTTGGGGAGAAG

09876543210

GGCCGGGGGATCCCGGGATTGACTGCTGTGGTTCAAAGAGATTTGCCTCCCCTGAAGCAGGGTAGAGC
TTTATGCCGAAAAGGAAGCCCCAGAGGCCTGGGGCCCTTGGCCAGCCGGGTTCGCGTTCCAACCTCCA
GGGGCCCCGCGGGCGGGGCCCCGCTTGGGGCCGGGGCCTAGGGGAGGGGGCCAAGCGGGAGGCGGGGGC
GGAAAACCGGGCAAGGCCAACCCGAATGGGGGGCCCCGAACCCCGGGGCCCCGTACC

>'990820A-085.scf' came from CONTIG 80 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-085.scf"(54>520)

GTTGAGAGGAGCGTGGCCTTCTCCTCTCCCGCCATGGCGTGTGCTCGTCCACTGATATCAGTGTACTCC
GAAAGGGGGAGTCCTCTGGCAAAAATGTCACTTTGCCTGCTGTGTTCAAGGCTCCCATTCGACCCGAT
ATTGTTAACTTTGTTACACCAACTTGCGCAAAAACAACAGACAGCCCCTAGCTGTCAAGTGAATAAGC
AGGCCATCAAACCAGTGTGAGTCTTGGGGGACCGGCGAGCTGTGGCTCGATTCCCAGGGTTCGGGGG
GGGGGGACCACCGTCCCGCCCCGGGGGCTTTGGAACAGGGGGGGGGCCGATGTTGGGCCACTAAAC
CTGCGCGGTGCCCCGAAAGGAAACCAACCAACCCCTCCGCTTCTGCTGCCACCCTCCCCCCC
GGCAGGCAAAGGAAAGAAAAAGAAAACCCGACCCCTTGGGGGGGGAAAAGGAGGCCCCCC

>'990820A-067.scf' came from CONTIG 81 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-067.scf"(54>455)

GTCAAATTGTGTCTCCATCACTGTTTCCCTGAGGTTTGATGGTGGCCTGAATGTGGATCTGACAGAGT
TCCAGACCAACCTGGTGCCCTATCCCCGCATCCACTTCCCTCTGGCCACATACGCCCCCTGTCATCTCTG
CTGAGAAAGCCTACCATGAACAGCTTTCTGTAGCAGAGATCAACCAATGCTTGCTTTGAGCCAGCCAAC
CAGATGGGGAAATGTGACCCCTCGCCATGGGAAATACATGGCCTGCTGCCTGTTGGACCGGGGGGATGG
GGTTCCCAAAGATGGCAATGCTGCCATTGCCACCATCAAGACCACCCACCATCCAATTTGGGGACCGG
GCCACGGCTTAAGGGTGGATTACTCCACCTCCCCTGGGACCGGGGGGAACGGCAAGGACA

>'990820A-068.scf' came from CONTIG 82 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-068.scf"(58>322)

AGTGGCGAGGTGCGTCCTTGTGTGCCTGGCCTCTTGTGCTGCTGCCTTACGGGGTGTGTGCGCCAGTA
GACCGCGGGAACAAGGCTCGGTCCCCTAGCCACCGCCGCTACTCTTGGTCTTTACAGATCACCGGC
CTGGACTTCCGTGGGTGCGCAGAGGCTGCCATGTACCGGGTTTAGGATCACCCCTCACAGCCGCAT
CGCGATGAGCCTGGAGAAGGGGGGGTGCTGACGCTGACCAGAGGCGCGAAAGATAAAGAG

>'990820A-095.scf' came from CONTIG 83 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-095.scf"(1>528)

TGTTCTCTCATCCGGGTGTGTGTCGGGGCTGCTTCTAGTTTCGTTGTTGGCATCCCGCCTCGGTTTCGTG
CTACTGATGAGGGCGTGTGACGCCACCTGTGTCACTCCACTGGCGTCGTGTTTCGGCTCCTTTGTGCCCTA
CTTGCTTTCTCTGCCCCGACTGGGTGGCGGGTCCCCCTGGGTGGCCTGGAATACGTGCTTTTCTTTTTC
GGGTTTGCACTCTCGGCTCTAACACGCTTTGCAACTATTTCTTCTCATTCCTATAGTCCTTCACTCAT
GGCTTGGTTTCTTTTGCGATGTCCAACAGCCAACCCCGCCCCCACGTCCCCCTCCACTCTCCCTCCTTCC
ACACATAATATAATAAACATTGTAACACAAATTGTAAGTGAAAGTCTCACTGTTCTATTAATGTTGCG
TGCTTTTCTCTAACCTCTTATCCTTGCTTGCTCATTTTGGCTTCTCTTATTCTTCTCAATCAATTCA
CATAAATATCTTATTTATGTTGTTGTTCTCTTGCGTTC

>'990820A-091.scf' came from CONTIG 84 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-091.scf"(56>478)

GCTCTGAGTGGTTTCTGTTGCCAGGGCTCTAAGACCCCTCACATTCTGCAGACCTCCAACTGCCCG
GGGCTTGCCCTGCTGCCTGCCTGCCACTGAGGGTTCCCAGCACCATGAGGGCCTGGATCTTCTTTC
TCCTTTGCCTGGCCGGGAGGGCCTTGGCAGCCCCTCAACAGGAAGCCTTGCCCTGATGAGACAGAAAGG
GAGGAAGAAACCGGGGGCGAGGGGGCCGGGGACCCGGGGGAGCCACCCCGCCGGGGGAAGTAGG
GAAATCGGGGGTGGGGGCCGGGAAACCGGGAGGAGGGGGGGCGGACCCCGCCAACCAAGCA
AAACGGGAGGGGGGAAGGGAGAAACAAACCCCTGGGGGGCCCCGCCCCCCTGCCTGCCCTGGGG
AGTGGAAGGGGCACACAA

>'990820A-083.scf' came from CONTIG 85 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-083.scf"(58>513)

GGGCACGAGGCCAGCAGGGCCCTAGCCTTGCCCTGCCGTCTCCCATCACTCTAGCCACCTGTATC
AAGGGCCGGGGAGGGGGCCGCCCTGCTGCCACCCACAGCATGAGGTTCTGAGCCACACCTCCCCACA

0907E143-00004

GACAGCCGCTCCGACCGCTGGTCCCAGATGCCAGCAAGCAGGGGGTGAAGGAGGACACAGAGGACGG
GCGGCCGAGGCCCGGGACAGCCCAGCCCCGGTCTTTTCGCATCCCTGCCCACCTCAAAGCACCGGGGT
TATGCAAGACCCGGATGAGAGGCACCGAGAAACAGCCCCGGGGCCCAGGACGAAGCCCCACCCCAACC
CAACAAACCAGAACCCGGGCTGGGGAAAAATGAATTGGAAAGGGGGGAAACACAAGAAGGGGGGGGG
CCCCCAGGGCCCCGGCCTCCCCCGCCGGGGGGGCCGGGACCCATGGCCCTT

>'990820A-089.scf' came from CONTIG 86 at offset 0;"E:\SEQUENCE\export\EG_DB\990820a\990820A-089.scf"(46>647)

CGCTTGCAAGGCAGGCAGCGGGAGCGCACGGGAATGTTTGTGCCTGCCGTTGGCTGCGTTACCTTCAG
GGCGGCCGGGCGCGAGAACCCCTGGACCCATGGGAAACCCTCACAGGCTTCCGTTGGGGCCCCCTTTTGC
AGCTTGGCGCTTTTTTGGCCCCCTAACGCTTTTCAAACGGGAGGGTTACGGTTATTGGGCAAATTTGGGT
TGGGAGAAAGATTTTTTTTAATTTGGTTGCCTTTCTGAACAACTTTGAATAAAGTGGAAGGGGGTTTCT
CAAAATTCAAACCACGGGAACAAGGCCCCCAAAATGTTTCCAAAATTTAAACAACCAAAAACAATGG
ATTTGGGTGGTAGGGGGGTTTTATGGGGGAATTTGGCTTTCCCTTGCCCCAAAATTTTTTGAAGCA
AGAACTAAAAAAGTGCCACAGCCTTTCCACACATAAGGGCCTGACCCCGGGGGCATTGTGGTGGGTGT
TTGCCCAATTCCTGGCCTCCTGGCCTTTTCTTTTTTTTGTTCATATTTGGGGGGGTTTGGGATAAG
GAGGGGCCGTTTCCCGTTTGCCCCGTGGGCCCCCCCAAAAATTTAGACTTTT

>'990913a2-001.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-001.scf"(57>62)
TTAGGG

>'990913a2-002.scf' came from CONTIG 2 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-002.scf"(13>49)
GTCTGAATAGGGATCCCCGGCTGCTTTTTTNGTTTGA

>'990913a2-004.scf' came from CONTIG 3 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-004.scf"(51>218)
CTTTTTCGGCTGGAGCGGGGCCCGTGCGGGATCGTGTTGCTTGGGGGTGAGGGGCGAGAGGGTGCGG
GGGTGGGTGCGCGGATTGGCTGGGAGGGAGGATGCCCGACGAACGGTGGCCGCTTGCGGGGGCCCCAT
TTTATGTGTAAGGGGGGTAGAAAGGGATGGGCG

>'990913a2-005.scf' came from CONTIG 4 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-005.scf"(51>356)
CCAAAATCTACAGCCGCTCACTGTTACCTGTCCTGCGTTACAGGACGTGTTAAGGCCGTTGCACATATTA
CTGGTGGAGGATTACTGGAAAACATCCCCAGAGTCCTCCCTCAGAAATTGGGGGTGAATTTAGATGCC
CAGACCTGGAGGGTCCCCAGGATCTTCTCATGGTTACAGCAGGAAGGCCACCTCTCTGAAGAGGAGAT
GGCCAGAACATTTAACTGTGGGATTGGGGCTGCCCTCGGGGTATCAGAGGACCCGGNGAAGCAGACT
CTGCGGATATTGAGCAGCACCAGAAGAAGCCGCG

>'990913a2-007.scf' came from CONTIG 5 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-007.scf"(57>326)
GCACGAGGCACGTGTGATTGTGTCTCCACACATCCGTGCATGTTCCCTGCCTTCCCCTCCGCTCCCTGC
CCGCTGCCCTCTGGCCCTTACCATGGGCGGGCCCCTGCAGTGTGGTCTGTTGCCAGGAGGCGAGCG
CAGGGACTGAGCTAGAGGATACAGGAGCCTGGGCTCCCAAATGCCAAAACCTCACACATATTCTCG
CTGAAGGGCCGTAGCCTGCCTCACCACCATTTACACCCCTCACCTGGGACCTGGGCTCTTTTTTTT

>'990913a2-008.scf' came from CONTIG 6 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-008.scf"(49>556)
TGTTAGCTTAAAAGATGGCGGGTTCGCTGTTTGCCGGGCAGCTGGCGCCGGGAGCGAGTGCTGCTAC
GCACCCGCCGCTCGCCGGCCCTGCTGAGTCGGCTGACTGGGGGGCACCGCCACCTACGCCAGGCTCT
CCACAGCGAGCCAGAGACGCAAGTCAGCCAGCTGGACAACGGGCTGCGAGTGGCCTCGGAGCAGTCT
TCCCAGCTACCTGCACGGTGGGGGTATGGATTGATGCTGGCAGCCGNTACGAGAGTGAGAAGAACA
AGGGGGCTGCTACTTTGGGAGCATCTGCTTCAAGGAACAAACATCGCCTGGCATGCTTGGAGAGGAG
GTGAGAGCATGGGGCCATCTATGCCTACACACCGGAGCCACGCTTATAATAAGAGTATCAAGACTGCA

AAGTGAGAGTCTGCCGCACTGCAGATCANCTCAGACTCCAATGAGAGAGCGGAGGATCTGAGAGTGA
GAATACCATCTGCGACGTCTTATACTGTTGCCGCT

>'990913a2-009.scf' came from CONTIG 7 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
009.scf"(51>340)

TTGTTCCAAGATTATTTTCAGAGCAAATCTGAAGGAGGACCACTGACAAGCCCCAAAATATTTAATATAC
CTGATGAAATGGCCAATCAATATATGAGAGGGCCATCAATGTAACTCCCTCAAATTAACACGCT
TAGCTATCACCTACACATTAGCTATCACCTATGTCACACTGTACTTAAGCTTACTCCCAAGTGGAAGCT
ATTTTTATATTTTAGANTCAGTCGCTCAGTCATGTGTGACTCTGCGACCCAGGACTGCAGNACTACAG
GCTTTCCTGTCCATCA

>'990913a2-010.scf' came from CONTIG 8 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
010.scf"(47>342)

GGTTTTTTCACCACATCAATGGGGTAACGGTTTTTCCAGCCACACGCTGCATGACAGGCCACCGGCC
ATTTTTTCAGTTGCTGAATAAACGCGCCGGGAATACGACGGCTACCCACCACAAGCACGCTGCCGCCAC
CTTTCAGGGATGAACGCTGCCCCCTTTTACGACGCCTGCGGCGCGAAAGGACAACCCGCGCATTACCC
AGCTTGATTACGGGCAAATCCCCCGGTTAACTTTGATTCTGGCCTGCGGATTTTGAACGTTGGCCTT
TTCAGCCTGGCCCTTTCTTTACC

>'990913a2-011.scf' came from CONTIG 9 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
011.scf"(62>109)

AAGCAACGGCACGGCCAAGGGCATCAGCTGCCACTTCTGGGGACGTGG

>'990913a2-014.scf' came from CONTIG 10 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
014.scf"(52>227)

TGGCACGAGGCAGAGGCTCCAGGAGGCCCTGCAGGTGGAGGTGAAAGCTGGGAGGACGAGGAGGCC
GTGCGCCTCGCCAGACCAGACTGGTAGAGGAGGAGGAGGAGAAGCTGAAGCAGCTGTTGCAGCTGA
AGGAAGGAACAGAGAGGCGCTTACATCGAAACGGGCACAGGCA

>'990913a2-015.scf' came from CONTIG 11 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
015.scf"(56>572)

GCACGAGGCACAAAATAGCCCTTCTCCCTATGGAGAACCAAGCAGTTTCCATAACAGAGCCACTTTGCT
TGGATGTATTCTCGAAGGACTCAAGCAAGCGTACACTAAGACTTTAACTATGCTAAGTTGACTGACA
TATAACAGGGAGAGAAGGAACTCCTGATAAACCTCTAGTATAGACTACGGGAGGCTCTCTGCAAGTT
TACTGACATTGATTCTAAAAGGGCAGACAGAGAAATTTTCTTAAAAGATAGATTCTCACTCAGACAG
CTCCAAATATCTGCCATAAGATACAAAACAGGCATTGGACCAATCAGACTTTAGAAAAGTGTGCAGCT
GGTCAGTGGTGTATATTGTAGAGATATGAGAGAAAATAGANGCATAAAGAACCAGCAAGACTGAGCC
CACTGGCTTAGATTGCTTGAACAAGTGGAAAAGCCAGGNAACGGNGAAAGGATGAGCTGTTTTGGGA
AGAGGATGTAGTGGAGCTTAGCTCTACTACCCGCCCTGTAGCT

>'990913a2-017.scf' came from CONTIG 12 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
017.scf"(49>312)

TATTTGGCACGAGGGTCCCTCATTCCTACTACTCCTCGCATTCTCTATATTTGAAGGTGGGGGAGGGAC
AAGGTGGACCGCGGTCCCTCCCTTTGCAAGGGAACTAAGCCATGCCGGGGGCTTGAGTAGATCTATC
CATTTTCTCTTTTCACTTTGTAGGAGTTTGTCAATTTTGGAGCCATCAACTTCATTCAACAATTATC
AACATAAAGCCCGCCGCCATGGGACAACACCCAACCCCTGTTCGGTGATCCGCGTG

>'990913a2-016.scf' came from CONTIG 12 at offset 6;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
016.scf"(55>576)

GCACGAGGCTCCCTCATTCCTACTACTCCTCGCATCCTCTATAGTTGAAGCTGGGGACAGGAACAGGC
TGAACCGCGTTCCCTCCCTTAGCAGGCAACCTAGCCCATGCAGGAGCTTCAGTAGATCTAACCATTTTC
TCTTTACACTTAGCAGGAGTTTCTCAATTNTAGGAGCCATCAACTTCATTACAACAATTATCAACATA
AAGCCCCCGCAATGTCACACTACCAAACCCCTCTGTTTCGTATGATTCCGTCATAATTACNGCCGCAC
TACTACTACTCTCGCTCCCTGTNTTAGCAGCCGGCGTCACAATGCTATTACAGACCGGAACCTAATAC
ACCTTCTCGACCGGCAGAGGNAGAGACCTTTTTATTTAACTATCTGTTTCTTGGCACCGCAGTCTTA

TTTTATCTACTGNGTGGGATAATTTCTTNGTGACCACTATAGAAAAAGAACATCGATTATGGGATGT
GGGCTTATGTAATCGTTTCTAGTTTGTGACCACCTTTATA

>'990913a2-019.scf' came from CONTIG 13 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
019.scf"(48>315)

CAAAATCGAGAATAATGAGGGAGTTTCGGAGGTTTACGAGATCCTGGAAGCCAGTGATGGGATCATG
GTGGGGTCGTGGTGGATCTGGGCATTGAGATACCTGCAGAGAAGGTCTTCTTGCCCCAGAGATGAT
GATTGGTCGGNGCAACCGAGCTGGGAAGCCCGTCATCTGTGCCACACAAATGCTGGAGAGATGATCA
AGAAGCCTCGCCCTACCCGGCGGAGGGAGNNGACGGGCCATGCCGGCTTGATGGACCGACTGCTCA

>'990913a2-020.scf' came from CONTIG 14 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
020.scf"(48>580)

CGAGTGGGAGCCCCAGGGCCGCGGTCTGGAAGCGGAACCTGTTCGGATTGTTTTAAGAAAATGGCAGA
CAAGCCCCGACTTGGGGNGAAATCAACAGCTTCGATAAGGGCCAAGCTGAAGAAGACTGAGACGCAAG
AGAAGAACACCCTGCCGACCAAAGAGACCATTGAGCAGGAGAAGCAAGCAAAGTGAGATTTCGCCGCG
AACCTGGGGATTCTCCACCGCATCATCTTGGAGACCCTAGCCGNGGTGTGGAGGGAGAGCCACCTGCA
NGATGTACACGAGCGACAGCTGGACTGTGAACCCGGGCNCTCGTGCCGGCGCACCGGCCGCGGGGGT
TGATGGGACCTTCCATCGGACTGCCAATTTCCGGTTGGCTGGATATTATAAAATATTTGTTGATAATAA
AATAACACACCCGGGAAAAAAAAAAAAAAAAAATGGGGGGGGCCGGCCCATTCGCCTTTGGGGGTTTCA
TCACTGGCGGTTTACGGGATGGGAACCCCGGTCCACTTATGCTTCCCCTCCCTTTCCTT

>'990913a2-021.scf' came from CONTIG 15 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
021.scf"(45>59)

TTTTTTTTTGTACGC

>'990913a2-022.scf' came from CONTIG 16 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
022.scf"(53>59)

GTGACGA

>'990913a2-025.scf' came from CONTIG 17 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
025.scf"(47>348)

TGTTTTTTCTTCTTGTGCAGAGATGCTATCACCCACACATCTCCCCACCCTGCCACATGCAGCCTGGA
ATTCTCCTATGGTTTTCCAGTGGGTCTGTAGTCTGCCAGAGGAGCAGGGGGTGGCCTCAGACAGAAGC
CATGAAGAAGATCCCCACACAAAGACTTTAAGATCCACAACGCTTACTTGTTTTCATTTATTTGATAG
AGCCATACAAATCANTATTCCAAAGGATGGGGAACAGCGCAGCTAAGCAGACTTTATTTCCCAGCCTA
TCATATGCTCGTTGNTTCTGCCTTAGTA

>'990913a2-026.scf' came from CONTIG 18 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
026.scf"(43>597)

CGAGAACCTGCAGGACTTAGTGGGGAAGCCGGTGTTCACAGTGGAGCGCATGTATGACGTGACGCCG
CCTGGCGTGGTCATGGGGCTGGCCTGGACGGAGCATGGGAAGACTCCACGCTGTTTGTGAGACGTCC
CTGAGACGGCCGAGGGACAGAGACAGNGACAAGGGGGGACAAGGATGGGAGCCTGGAGGGGACCGGC
CAGCTGGGGGAGGGATGAAAGAGAGCGCCGCATATCCTACACTTCCCCAGGCCCTCCTGATGCAGCAC
GACTCCGCCAACAGTTCCTGTTGAACTCCCCATCCACTGCACGTGCTGAAGGGCCACCCCAAGACGCC
CGAGGGCCGCTGACATCTCTCNGNCCTCTCTGCTTTGACGGCAGGCNAGAAACTGCTGACGCGAG
GCTCTCCAGCAAAGTGCTGTGGCGGTAGAGAGACACCGCCAACGGCGGGACCGCTCCCTCACTAGAC
AGAGATCTTTACTGTTCTTTCCCAGCCCTGGGGCTGGGGCCTCCCGATTTTCTTCTTCGGGAGGGCGG
GCCGGGGGGGGCG

>'990913a2-028.scf' came from CONTIG 19 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
028.scf"(1>538)

ACGGGGGCGGCGTCTAACTAGNGGTCCCCCGGGCTGCAGGTATTCGGCACGAGGCTGTGCTGGACTGC
ATTTCCATGGAAGGGTGCATAGTCTGCTCTTTTGTCTGGATTCCCTCATCAAGCTGGTCAGAGTCACG
AACGTCGCCCTGTGTGGGTGTGGGCCGACCCCTGTCTTCCCGTCACTGTGTGCCTGTCCCCGCCCACT
GCCCCAGGTCCTGGAGCTTCTTAGAAGTCTGAATGCCTGGNNGCAGAGCCTTCCGCTGTCTTCTTCAAG
ATCATCCGCGNGTCTCACCTTTGTTTTTTTTTGTCAATGTTCAAATCATACATCTATTTCTCCCGAGTG

09876543210

TGTGTGTGGTATTTTATGCNTTGTATTATGTTAGATATTACATATGGGAAGAATGACTCTTGCATATGGA
AGTAAAGACATAATAAAAAATATACCTGGCAATTTGTGCTACTACAACAAAGGCTGTGCTATTTTAT
GTTATTTAAAAAAAACATATCAGCATTCAAAAATCTTATATTTAAAAATAAAACT

5 >'990913a2-029.scf' came from CONTIG 20 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
029.scf"(41>144)
TGGTTTTTATTGTAAACAATGCATTTCATCGACCTTCCAGCCCCATCAAACATTTTCATAATGATGAAATT
TCGGTTCCTCCTGGGAATCTGCCTAATCCTACAA

10 >'990913a2-031.scf' came from CONTIG 21 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
031.scf"(53>58)
CAAAGA

15 >'990913a2-032.scf' came from CONTIG 22 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
032.scf"(52>59)
TTGGACGA

20 >'990913a2-034.scf' came from CONTIG 23 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
034.scf"(46>624)
GTACGAGGCTAGGCCGTGCAGCTGCTGCCACCGCCGTCTGTCTGCCTGCCCTCCCGTCGGTCCACCCCG
AGCATGAGCGGCTGCGCGTCTACAGCACGTGGGTACCCGGCTCCCGCGAAATCAAGTACCAGCAGA
GTGAGGTGACCCGCATCCTGGATGGGAAGCGCATCCAGTACCAGCTAGTGGACATCTCCCAAGACAAC
GCCCTGCGGGACGAGATGCGAGCCTTGGCCGGGCACCCCAAGGCCACCCACCCAGATTGTCAACG
GAGAGCAGTATTGTGGGGACTATGAGCTCTTCTGTGAGGCTGGGGACATACACACTGANGAGNTCCTG
25 ATACTGCCTGAGCAGCCAGACCCTGACTCGTCATACATTCCCTCCCACCATCACCCGGCTGAGGACCT
GGACCACTCCTGTTTTCTACTGACGGGGCTTCCCTCACCAGACCCTCTCTCCTACTTAGCCCTCTTTCAT
CACACACATCTCACACGCTAAATGATTAGACAGCAAGGTGTGCTAGTGGCCTGGTGGCCTCTGCTGT
GTGGCCTGTGTCATACAGTTTCAAGCGCATCGCG

30 >'990913a2-035.scf' came from CONTIG 24 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
035.scf"(53>562)
GCACGAGGCCCTTCAAGGCCAGAGTCACAGGTGACGGCCTCGTCAGCAACCACAGCCTCCATGAGA
CATCATCTGTGTTTGTGGACTCCCTGACCAAGACTGCCACCATCCCCAGCACAGTGCCCCAGGCCCG
GGTCCCCTGATGCCAGCAAGGGGCTGGCCAAAGGCGTGGGGCTGAGCAAGGCCTACATGGACCAGA
35 AGAGCAGCTTCACGTTGGACTGCAGCAAAGCAGGCAACAACATGCTGCTGTGGGGCGTGCATGGGCC
CCCGACGCCCTGTGAGAGATCACTGGGAACACGTGGCAGCAGCTCTCAGAGTGCCTACTGCTCAGGAC
AGGGGGANACCGCTGTGGNCAGGGGGGGACAGCCATCCGGGCAGCCTCGAGCCTGGGCCTGGTGTGG
CGCTCCATCACACTCCAGACAGAGGCCCTCGCTGCCCTGCACCACACAGCCCACCCGCAGCCTGCAC
CTCCTACCTGCCTCTGGTGGTACTGCTCANGGCAAGAG

40 >'990913a2-037.scf' came from CONTIG 25 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
037.scf"(54>628)
GCACGAGGACCTCTTCTGCCCCCGTCCCTGTGCCCACCACCTGCTGTCTGGTGCAGCATGTGTTAC
TTCTGGCTCCCATGCCCTAGATCTGCTGGTGGTAACCTTGGAAGAGCTGGCCAGGCCTGGAGGTTTCCT
45 TCTCCATTTGTAGTGTTCAGAGTGCCATGATTGCCACGCCCCACCAGAGCTCCACTTGTATGCTCGC
GGCCCATCCACACACCTTTCTTGCCCTCTTGCCCTCCTGCAGGGGGGGGGGGGATGGGAGTGAGACAGCC
CGGCCCCCTCTTCCCTCTCCTCCCACTGAGCACCAGCTGCTGCTGCCAGNGAAGCTCATGACCGGGGC
GGNCAGCTTCCCTCCACTGACGAATCATTATCTTAATAAATACTATTAAAGACCAACTAACTA
ATGATGAAGATGGCGAACATTTAACTCGTTTTAGGTTTTGTTTCTAGTGCCGTGTTTTTTACCTGGTTA
50 TATATTTTATAATTTACTGTGATGACAAGAATGCTGTTCTTGAGACATTTTGATTTGTTATTNGTTTCT
TTCTTTCCTACATCTACCATATC

55 >'990913a2-038.scf' came from CONTIG 26 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
038.scf"(53>537)
GCACGAGGCAGCGGGCGAGCTGGGACCCGCGTGGCATCCTGCCTCCCTGCCCCGGAAGTGACAGTTTA
CAAAATTATTTTCTGCAAAAAAGAAAAAAGTTACGCTAAAAAAGCCAAAAATACCCACAAA

ACCACATATTCTATTATACAAAAAGTATTCTTTTCTCCACCCGCTTAAAAGGAAAAGAGGAAGAATTA
 CCCCTTTGCACCGCAATGTTTTGTTTTGCTGGGACATAAGCAAACACCCCAGCCAATGTTATATCCATC
 CTTTTTTTCGTTTTTTTTTTTCTTTCTTTCTGCCCCCTCTGCTGTNTCCATTCCCCATCTCCTGGCCCCCTTG
 TGGGGAGTGGGAGGTGGGGCGGGGAAATCTGCCAAAGCCATGTGCTGTGTGTGCTGCCCTGTCTCTGA
 AATTTTTGTTTAAAAATTTTGATTGTTGTTTTTAGAAAAAACCAGATGAAGAAAGACCC
 TGACG

>'990913a2-040.scf' came from CONTIG 27 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
 040.scf"(54>148)

GCACGAGGGTTTGGGAGAGAGCCAGCTATTCTGGGGGAAAATTTTGAGGGAAAACAACTATTAAAT
 GGGGTGGATTAGTTTTTTTTTGTCCCTA

>'990913a2-041.scf' came from CONTIG 28 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
 041.scf"(1>634)

CGGGGGGGCCTTAAATATGGTCCCGGCTGCAGAAAATGAAGCTGAACAAAATCTTCATTGCGGAGGT
 ACTTGCCTCATCCGAGCGAGCCCGCCGACATGCTGAGCAAGAGAGAGACGAGCTGGCGGACGAGATT
 GCCAATAGCGCCCTCCGCAAGTCTGCACTTCCGGATGAGAAGCGGCGGCCTGGAGGGCTCGATCGCAC
 AGCTAGAGGAGGAGGTGGGAGGGGAGCAGAGCAACATGGAGCTGCTCAATGACCGCTTCCGCAAGAC
 CACACTGCAAGGGGACACGCTTGACACTGAGCTGCGGCCGAGCGCAGCGCTGCCCCACAGAGCGTAA
 TGC GCGCAGCAGCTGGAGGGGAGAAACAAAAGTTGAAGCCAGCTGAGGAGCGGGAGGGCGGCAGTCC
 AGTTATGGCACCTCTTTGTTTGAAGCAGATGGGGTGGAGGGAGTGTGCAGGAGCAGGAAGACCGGCC
 ATAATATCGGGTACGGAGAGTGTAGATTTTTGCGTGAGTGAAGCGCTGCGTCATTTAGAAAGGGAGCA
 TGCAGTGAAGTTAGGGGGTGGGAGGGGAGAGTCAGCCGCTTTGCCACCCGGGACGTGGCTGGCCCCG
 GCGCGGGCGCCGAAGGGGGGGCGTGTCT

>'990913a2-043.scf' came from CONTIG 29 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
 043.scf"(1>368)

CGGGGGCTTAATATGTCCCGCTAGAATGACAGTCCCTGTGATGATAGGTGTTGTTTATGTCCGGACTTGT
 CTGTGCTGATGTTTTTTATTTGATCGGCAGGACAGAGGATTTTGGGGTAGTTCAAGAAAAACAAAAGA
 AAGGAGGAAGAAAAGTGAGCTCAACGAGCCCGCTCCTTTTAAGAAACATGTTTGCCTGACAGCTGG
 CCTGCCACGCAACAGATTCGCTTTTATAAGATTGCAACAACAAAAGTTTATGTACATTAAATAAA
 AAATGAAAAACAACAAAATTTGAGTTGTGTATAATAAAAGGAGAGAAAAATAATGGTGTTTAGTAA
 TTTTGTGTTTTGTTTTTTTTTATAATT

>'990913a2-044.scf' came from CONTIG 30 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
 044.scf"(46>224)

GCACGAGGCTCCCCCGGCGCCGCTCTGGCCGCACTGCGCTCGCCCTGAGCTCCGGTCTCCTGCTAAG
 CCAGCGCCGCTGTGCGCTCCCTCCAGTCGCCATCATGATCATCTACCGGGACCCCTATTAGCCATGACG
 AGATGTTCTCCGACATCTACAAGATCCGGGAGGGGGCGGACG

>'990913a2-065.scf' came from CONTIG 30 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
 065.scf"(54>601)

GCACGAGGCCCCCTCCCCCGAGCGCCGCTCTGGCCGCACTGCGCTCGCCCTGAGCTCCGGGCTCCT
 GCTAAGCCAGCGCCGCTGTGCGCTCCCTCCAGTCGCCATCATGATCATCTACCGGGACCTCATTAGCCA
 TGACGAGATGTTCTCCGACATCTACAAGATCCGGGAGGTCGCGGACGGGCTGTGTCTGGGGGGGAG
 GGGAAGATGGNCAGTAGGACAGAGGGTAACATCGATGACTCGCTCATTGGTGGGAAATGCCTCGCGC
 TGAGGCCCGGAGGCGAAGGTACCGAAGCACAGTATCACTGGTGTGATATGTCATGATCATCACTGCA
 GGTAACAGCTCACATAGAAGCTACAGAATACATCAAGATACATGAGTATCATGGAACGAGAACAAA
 CAAAGATAAATCTTTGAAGGCTGAGACAATAGCCATCTGTATTCAAACCTATTTTTTGAACATGATCA
 ATGCTGGTGTTCGGCTCGGAGTGGACCTTTTATTTTAGTGTTAATGNAAGTTAAGATGGTTCTGTATA
 CTGT

>'990913a2-045.scf' came from CONTIG 31 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
 045.scf"(1>208)

CGGGGGGGCGTTAGACTAGGGTCCCCGGCTGAGGAATTGGCACGAGCCCCCTCCCCCTAGGCCCCGAC
 ACCCGTCTCTGGTACAAGCAGACCAAGAGGCTCAAGCCATGGCAGACCAAAGCCGGGGGAAGAGAT

GCAAGCACAGAAGGCCTCCCGGGTAAAGATGTGACTGGTGGGCTCCTTTCTGCTATACTGGGGAGGG
AGCAA

>'990913a2-046.scf' came from CONTIG 32 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
046.scf"(1>454)

CGGGGGGGCGTTAGACTGTGGTCCCCGGCTGAGTATAACTTTTTTTTCTTTCTTTGTGAACAGCTCAT
GTTAATAGAGAGATGGAGCCCAAGAACAGACAGCTCGGTTTCGAAATACAAGTTTAGGAAAATCTTAT
CTCAGTCATGCATAAATATGCAGGGATATGGCAGAAGACACCAGAGCAGATGCAGAGAGCCATTTTG
TGGATTGGATTGGATTATTTAATAACATTACCTTACTGGGGAGGGAGGATTGGAAAAAAAATGCCTTT
GTGACAGCTTCTTATCTTTTTATTGTTGTTTCTTCTGTGGTCTTGTATGAGTGTGAATCATTCCTTCTTG
TTATGNTNATTNGTAGTTNCAGTGAATGTGATACTTTTTATGATTTTTTCAAGTTTGAAACTTTATCAGT
CTGTGTATAGACATACGTTTNCCTTTAAAATTATGCGTGTA

>'990913a2-047.scf' came from CONTIG 33 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
047.scf"(50>534)

GCACGAGGCCGATCTCTGCGAAGAGCTGGAACCCCGGGACCTTGGCGAAGTCCAAAATAAAGAGTGT
CGAGACGCCTGGTGTGTGTTGGTGTGTTGTGNGCGTGCACGCCTGTGTGGGTGTGGGGTGTGTGTATG
TGTGGTGTGTGTGTGTGTCTCTTTGTGTGGTGTATGTCTGTGTGTATGTGGCTGGGTGTGTCTGTGAGAC
TTGCCCGCGCGGTCTTGNGCCCCGCGCTTCCCGGGGCGCAGGTGCATTGCAGACGGCACTGGGGTCCG
CCGAGGGGAGCCTGGTGTGATTTTGGTCTCTCTTCAACGCCCGCCAGCCCTGGGAGAGCCTTTGTTCA
GCTGATGTGAGGGCTCCTGTTCTAGTCATGCCTGTCTGGACAACGATCAAGTCCGAGCACGCGGGGAG
GCCCTAAACCCACTGACCTCAACCAAAAAGGAGGCGGACAACAAATCTCCCACCTGGGTGTGGGGTT
GGGAAGG

>'990913a2-049.scf' came from CONTIG 34 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
049.scf"(8>579)

CGGCGTCTATAATAGNGGTCCCCCGGGCTGCAGGCGGGTGCACGGGTGGCGAGCGCAGACGGGAGAG
GCTCCAGACGAGCACCATTGGCTCCCTGCCCGCTTCGCCCGCTGCTGTGGGTCTCGTGCTGGGGCTTG
GGCTGGCGCTGCTGCGCGCCGCGGGCGGGGAGGAGTGCCAGGCACCACCCCTGCTCTCGCGGGAC
CTCCTGGAGCGCGGACCTAAACAAGTGCATGGACTGTGCTCGGGCCGGGCGAGACCGCACAAGGAC
TTTTGCCTGGGCTGCACTGCGCGCCCTCCAGCCCCCTCTTGTTGGGTGGGGCATTTCTGGGGGGGCCCT
GGGCTGGCCCTGGGCTGGGGTGGTTTTTGGTGTCTGGGCTGGGAGGGGGCGCAGAAAAGAATTTTACAC
CCCATCGGGGACGGGGGGGAGTGGCTGGGGGGCCTGTCAGGCGGGGCGCCCCCGCGGAGAGGTGGGC
CGTCTTTTTTTTTTTTTTTGTGCTCCAACCTCAACCAACAAGCAGCTGTCTACACAGGGGGGAGATGGG
AAGGATATTTTTTAGTTGTCCATTTCAG

>'990913a2-052.scf' came from CONTIG 35 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
052.scf"(8>705)

CGGCGTCTATATTATCTGTGCCTCGGCCTGTTTGCTGCTCTCTAACATCCATACTTGTACTGTACTTTCA
CCTGTGGACCCTCTCCACATCAGACTTTTACTGTCCCTTATGGTTGTATACATTCCAAACCTATTCCAGT
TGGTCCCAAGTGTCCATCCCTTATAACTCTGCCCTTGCTATTTAACCTCCAACCTAAGGTGGTCTAGATTT
CCCTGATGGCTCAGCTGTGAAAGAATCCATTTTCAGCGCACAGGAAACCAGAGACGCAGGTTCAATCC
GTGGGTCTGGGATGATCCCCTAGAGAAGGAAATTGTCTCCCACTCCAGTTTCTTGCCTGAAAAATCCCT
GGACAGAGGAACCTGGCTGCTTCAGCGCAGAGGGTGCACAGACTCACACCGACTGACCACCTACCA
CATTGCTATGTGCTTTCTTTTTTATCTTCTCATGCTATTGCCAACCTGAATGCGACCTAACAGACCTGAA
GAGGAATAAGAGAAATCTTCTGACGAAAGCATTAAAAAGCAGAAAGCCTTAAATCGAATATCTTGAA
AGACTCATACATTAGAAATTGCTATGTTCTTAAACTCAACATTTCTCTTTTACCTCAACCTAAAGAACC
GTCCGTTCTCTGTTTAGGGGAAATAAAAAATCACACTGCCACCTAACCAAGGAACATAAACATTTACTTC
CTCCTCCTCT

>'990913a2-051.scf' came from CONTIG 35 at offset 34;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
051.scf"(47>556)

CTGCAGTCTAACATCCAGCCTTGTCCTGTACTTTACCTCTCACCTCCCACAGCAGCTTCACTGCCCTT
ATGGTGTAACATCCAACCTTCCAGNGGTCCAAGAGCCACCCTACAACCTCTCCCTTGCTATTTAACCTC
CAACTAAGGAGGTCTAGATTTCCCTGATGGCTCAACTGTGAAAGAATCCATATACAGNGCAGAGGAG
ACAAGAGACGCAGGGTCAATCCGCGGGTCCGGAAGATCCCCTAGAGAGGAAATGGTAACCCACTCCA

GTATTCCTTGCCTGTAAAATACATGGACAGAGGAGCCTGCGAGCTCAGTGCAGAGGGTTGCAAAGACTC
TACACGACTGAGCACTANCACATGCTTTGTTGCTTTTTTTTTTTTTATCTTAGTTATTGACAACATGATGG
ACCTACAGTACATGAGATGGATAACAAGGAATATTTGTCTGGAGCAATAAGAAGTAGAAGGATTGATTG
AATATTTTAAATGACTATACATTATAAATTTTC

>'990913a2-053.scf' came from CONTIG 36 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-053.scf"(48>595)

TCTTGTTGAAATGAAATACCACAACAAAAAGCAAGGAACAATGAGCAAGAGAAAAGGAGAGCTTTTAA
AAAATTAACCTGGACCACCTTTTGGGGGTTGGGGGAGCAGAACTGCTTTTGGTGATCTCACGTGACGTGTG
AAGGTACACTGTGCTTCTTTGCTTCAGGAAATATAGGGTTGTCTGCAAGGAACCCAAGGTACAGCCAA
CGGGCGGGGGGTTTTTCAAATCCCAAACCTCACCGACAGGCGTGAATGTTCTTGTAGTCCTCTGTAGA
CTGTGTCCTGGCCCTGTCAGCCCTTCTTCAGCCTGCACCCTGTTCCAGAGCCAGTGAGACGGAGACACT
GTGATGGAGCTCTCACTTCCAAGTGATAGTATTATTAATTTGTGTGTGTCAGACTATGACTCAGATGTG
GGTGGATTTTTATTTAACGATAATGACATTATAAACTTTATTTGTATTTGTATTTAATATCATTTTCATT
TTTAATCTTTATTTGAGCACGTGTTAAAATTAATACTTTGGTTTATGTTCTGATTTNTTTTACTCTA

>'990913a2-054.scf' came from CONTIG 37 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-054.scf"(52>252)

GGGCACGAGGTAAACCCAAGCCCTTGACCTCTTACAGGAGCTTTGTCTGCCCTCTTAATAACATCCGG
CCTAACCATGTGATTTACCTTAACTCAATGACCCTGCTAATAATTGGCCTAACAAACAAATATACTAAC
AATATACCAATGATGACGAGATGTTATCCGAGAAAGCACCTTCCAAGGGCACCATACCCAGCTG

>'990913a2-055.scf' came from CONTIG 38 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-055.scf"(277>558)

GAGGAGAACTTCACGGNGGTCCCCAGNTGGATTTATTGTTGAAGGAGAACCACCAGGAAAGGGTTC
CCACTTGCTCTTGGTCTGCTGGCCACCTGCTCTCAAAAAATACTACCTTGACAGACAAGATGCTACGGAT
GAGGAAGTGAACGAAAGATGTTTTTGGAGTCCAGATGGGATGTGCGAGGCACACGATCACTCCTGT
TGTGTGGTGTGTAAAAAAGATGGAAAGAAATATAATTAAAAAAACAACACTGCTGCTTTTGTGTTGTC
TGGGTTGGGG

>'990913a2-056.scf' came from CONTIG 39 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-056.scf"(46>533)

TGGGACGAGGGTCAATCCTAGACATTATAATGCATGGTATGGTTTAGGAATGATTTATTACAAGCAAG
AAAAATTCAGCCTTGACAGAAATGCATTTCCAGAAAGCACTTGACATCAACCCTCAAAGTTCAGTTTTG
CTTTGCCACATTGGGGTAGTTTACGATGCACTGAAAAAATCTGAGAAGGCTTTGGATACCCTAAACAA
AGCCATTGTTATTGATCCTAAGAACCTTCTATGCAATTTACAGAGCCTCAGTTTTATTGGAATGA
AAAATATAGTCTGCTTTACAGAACTTNGAGAATGATCACATNGTTCCCAANGATCCCTCGTTACTCTTA
ATAGAAGGTTAAAGAGTTAGTCAACGCACTCGCCTGTGATNTCTTTGGGTGGGTAATCCTAAGACC
AATACCAATAAAAGCAATGTAACCTACTTCAAGAGAGAGCATACCCAGAGAAAATATGGACAAGATC
CAGAGAGAGAG

>'990913a2-057.scf' came from CONTIG 40 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-057.scf"(48>291)

TCCATACGGCGTTGTCTTGAATTCCCGTCGTAACCTTAAAGGGAAGCTTTTCACAATGTCCGGGAGCCCTT
GATGTCCTGCAAAATGAAGGAGGAGGATGTCTCAAATTCCTTGACAGCAGGAACCCACTTAGGGGGCAC
CAACCTTGACTTCCAAATGGAACAATACATCTACAAAAGGAAAAGTGATGGCATCTACATCATAAATC
TGAAGAGGACGGGGGAGAAGCTTCTGTTGGGCGCTCGGC

>'990913a2-059.scf' came from CONTIG 41 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-059.scf"(46>612)

TGCTGGTGTGTTGGCCCAAGAGGTCCCAGTGGCCCAACAAGGTATTCGAGGTGACAAGGGAGAGCCTG
GTGATAAGGGTCCCAGAGGTCTTCCTGGCTTAAAGGGACACAATGGGTTGCAAGGGGCTCCCGGGTCTT
GCTGGGCATCATGGGGATCAAGGGGCTCCCGGGGCTGGGGGTCCCGCTGGGCCCAGGGGCCCTGCTG
GTCCTTCTGGCCCCAGCTGCAAAGACGGGCGCATTTGACAGACTGNNGCACGTGGACCTGCTGGCATT
TCGTGGCTTCAAGGTAGCCAAGGGTCTGCTGGCCCTCCTGGCCCCCTGGCCCTTCTGACCTCCTGGCCA
AGGGGGGGGGTTCGATTTGGGTTTGTGTGACTTTTCAGGCTGCCCCACCCTCCTACTCTCTCNACCC

AGATTTGAANTGTGCACTTGTATCTTCACAACAATTGAAACTTTTTTTCAAAGCTTTAGAAAACCCCTC
GCATCCCCGACTTGACCACCCCCCAAGGGACTGTTTTATTGTTGACTATCCAAGTGTCTTGTGTTAAG
TTTTTTTTTTTTTGCGAACT

5 >'990913a2-075.scf' came from CONTIG 41 at offset 534;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
075.scf"(48>547)
CGGACATTTCAGACAGAACGTGCGTACCAAAAAGCAACCGACCATCTTTCAAAAATAAAAAGAGGGTCCT
GCTTGGAGAAACTGGCAAAGAAAGCTCCCTGATACTACAGAACTTGGTCTGGGCTTCAAGACTCCAAA
GGAGGCCATCGAGGGCACCTACATTGACAAGAAATGCCCTTTACGGGTAATGTCTCCATTTCGGGGCG
10 GATCCTGTCTGGCGTGGTGACCAAAAATGAAGATGCAGAGGACCATCGTCATCCGCCGAGACTACCTTC
ACTACATCGAAAGTACAACCGCTTTGAGAAGCGCANAGAACTNCCGCGTGACCTTTCTCCTGCTTAG
GGACGCCAGATCGCGACATGTCACGTGGGCGAGTGCGGCCCTGGCAGACTGGCGCTCATGTCTCAGGT
CACCAGCTCCGCACAAGAGCATTTCGAAGTTGAATGGCCTTGCTGTCCCAACACATAGTATTNCATTCA
AAAAAAAAAAAAAAAAAAAAATAAAAAAT

15 >'990913a2-060.scf' came from CONTIG 42 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
060.scf"(52>263)
GCACGAGGCCCTTCTTCACCCCTTGCCCCCTCGCCATCACCCCGACTCTCAACACAGCACAAACCCCTGCA
AACCCAAAGAGAATATTAATACTTGAAGCAAGAAGGGTGATGCCAGTCCCTCTCAATCATGGCCAGG
20 GGATGCCAGGGCTTGCGCCCCCTGGACTCCTAGCCCTGCCAGGGCAAGGAGGGCTTTTCCCTAGAGCT
ACTGGGC

>'990913a2-061.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
061.scf"(54>571)
25 GCACGAGGGACTGTTTTTCATCAAGAATAGTCTCTTGAGAAAACCTTCAAATTTACGCTAACAAAAGGTA
CATTTGCCCTCAGGGATGTCAGTATTTTTAGAAGCTCCACACATGGCTGTATCATAAAGAAAACCTTAGT
TGAATTTTGTACTGCTGTTTTCTGCCCTGTACTGGAGCTTTAGGGTTGCTTGTGACTTTGGGACAAC
TTTGGGTGATGAGGCTGCAGCTGATTTCTATCTTGATTTCATCAGGTACGGGAGTTTGAGGGCGCAGTCA
TAGCTCTCTTTATTTACTGGCCACCNAGACAGACNAAAGTCGAGCCCTGAGGGAGGCTTTTATCGTCA
30 GAATTTGCCCATCTCATGACCTCATGCCACAGTTTTCTGTGTTGTTGTATATTTTAGGTTCCGTTGGG
ACTGCCATCAGTCAGCCGACCGCGGCAGACAGCACTACCCCTCAGCTCTCTAACTCCACATCCTATATT
CTCTGCGCCTGTGCCACCTGCTGATTTCAATGCTT

>'990913a2-062.scf' came from CONTIG 44 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
062.scf"(49>602)
35 GTTCTGCGACCTGTTCTCGAACGCTCAGCGTGGTCCTCCTTCCGATTTGGAGATGCCTGTCTGGGGGA
GGTGGCAACAAGTGCGGGGCGCTGTGGGGAGGACACGGTACCACGGCCGAGGAGGTGCAGNGTGAC
GGCCGGAGCTTCCACCGCTGCTGCTTCTGTGCATGGTTTGCAGGAAGAATTTAGATAGTACAACAGT
GGCAATTCACGATGAAGAAAATCTACTGCAAAATCCTGCTACGGAAAGAAGTACGGGCCAAAAGGGCTA
40 CGGGTACGGCCAGGGCGCAGGCACCCCTCAACATGGACCGGGCGAGAGGTTGGGCATCAAGCCGAAAG
TGTTCAACCTCACAGACCGACACAAATCAAACACTTTAATTTGTGAGAATTGGAGGTGCTGGAGTGTG
AGATGTGGGTTCCGTTTCGCTNCGATAGACTTGTAGCTGAAGCCTGCACAACTGTTTCGTGTGCTAGGC
GGGAGGTCTAGTCTACACTTGATGAGAAAAGTGAATTTGTAGATGTCCGAGACTCGCCCAAGTTTGCT
TCGCAGGCTGGCC

45 >'990913a2-063.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
063.scf"(47>258)
GCACGAGGGAAAGTTTCAGACATCAGGTAAGTGTGTTCTAATTAAGATCATGAGTTCAAATCCCAAG
CAGGGTTTTAGCTGGATTTGAGTCTTGCCCATGTGGGTTGAGTCCCAAAGTGGTTTTTGGCTAGATT
50 CAAATACTGGCACATGGGTTCAAGTGCCAATATGAGGTAAATGGNTTTAAGACCATTTAGGTTTTGT
ATTCTTT

>'990913a2-066.scf' came from CONTIG 46 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
066.scf"(47>584)
55 CGCCGGCCCCAGCGCGCTGCCACCGCTGCCACCCACCATCAACCAGCATGTCTCCGCTCACTTCAA
CCGAGGCCCCCGCTACGGGCTGTGGGCTGAGGACAAGAACAAGCTGGCCAGAAAGTATGACCACCAG

09076143-060601

GGGGAGCAGGAGCTCCGAGAGTGGGTTCGAGGGGGTGACGGGGCGCCGCATCGGCAACAACCTTCATGG
ACGGACTTAAAGACGGCATGATTCTTTGTGAGTTCATCAATAAGCTCCAGCCAGGCTCCGTGAAGAAA
GTAAATGAGTCCACTCATAACTGGCATCAGCTGAAGAACATCGTCAACTCATCATGCCATCACCAGTC
GGGGTGAAGCCCTACGATATCTTGAGGCCACGACCTGTTTCGACACACCACCAACGCAGTGCATCACCT
5 TTGCGCTGCCAGATGACAGAGAAAGGACAGGNGATGGGGAGGAATAGCGGAAGCGTACGTGATTGAG
CAAGAGCTAAAGAAGCGACATTNGTGTCACTGGACCCAGTGCAGCAGAGCTGAGGTACGGCCGCG

>'990913a2-067.scf' came from CONTIG 47 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
067.scf"(290>553)

10 AACTTGAGTACTACACAAGCTGGCTGGATACTGGGCCAGCATCACTCCCACGCTCCTTTCACTGTACCA
AAGACAGAGAAATGTCAGTTGGGAGCCAGGGACATGTCATGTCCGAGTACAACCTTGATCTGATGTGT
GTGAGAGGACGTTCTTCATTCTCCACTTGATACAGCACCTATCGACAGGACCCACCCACTTTGTTTTT
ATGATTACAGTTTCGAGTCCCTTGCTTCCCTCCACCCACATACTGACTTACCTCCCT

15 >'990913a2-069.scf' came from CONTIG 48 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
069.scf"(48>147)

GCACGAGGCCCCGCTGAGAGGAGGCAGCCAGTGCAGTCCCACCGCCCGGCGACCCACCTTCTCCAA
GTCCGACGGGCAGCCGCCCCCGGGGCGACAAG

20 >'990913a2-071.scf' came from CONTIG 49 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
071.scf"(55>586)

25 GCACGAGGCGAGTTCGACGGGAAGAGGTTCCAGAATGTTGCCAAAGAAGGAGTGAAGTTTGATGAAA
GTGAGAAAAGTAAGGAGAGTTCGTGAAGCAGTTGAGAAAGAATTTGAGCCTCTGCTAAACTGGATGAA
AGATAAAGCACTCAAGGACAAGATCGAGAAGGCTGNNGNGTCTCAGCGCCTGACAGAGTCTCCGGGT
GCTCTGCCAGCCAGCCAGACGGGCGGGNCTGGCACATGGAGAGGATCATGAAAGCCCCAGCATACCA
NACAGGCATGGACATCTCATCCATTATTATGCCACCAGATAAAACATTTGTTTTAACCCACCACCCACT
ATCATAACTGCTTGAAGAGTTAGAGAGAGATGAATACTGTCAGATCTGTGTGTTTGTGTAACACACCT
CGTCTGATTCTTTGCAACCTAAGATTGAGAAGATANATGATCTCGCTCACTAACATCAGTGTGCAAGTG
AGAGACCAGAGACTGAGACACAAGCACGAAGAACAAGATAAAGAGGAGACAGACGAC

30 >'990913a2-072.scf' came from CONTIG 50 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
072.scf"(55>600)

35 GCACGAGGGCCTGCCTGCCCAACCTGGACCGCGTGGGCCACCCCAAGGAGCGCTGCTTCGCCTTCTGA
TGGACGGGGCCTGCTGCCCCGCTTTCACTGTACCCTGGCCACACCCACCCCTCCTGCCGCTGTTTATTAA
CACCACCCGCCCCACGTCTCCAGCTGCGGACGGGTTTCAGCCTGGCCTGCCCGTGCCTGGGAGGTCACC
CCGCTGGGCTGGCCCCCTGAGGGGCCCTTTGGGAGCAGGTGTGTGGTACAGGTGGGCTGCTGTTGGCC
ACCTTTAAGACAGATTCTGTCTAGGCCTCGCCGAGATGTTCCCTTCCCTCTCGNCCCTCCACATACAC
ACTACTGGTGGAGGCTGCCAGCACCATGCTCCCAACTCCCAGACATCCACACCTGGAAATTAGAGAAA
GTACAGCAACCTTACTACAGCGCAGCCTCACCCTGAGACATGNCTNCNCCCTGCTGTTAGACCCGCC
40 AGCTTCAAGTGAACCTATGTACTGAACCATAGTCCATGGATGGCTGTGGTTGAGTGNCNACCAAGCC

>'990913a2-074.scf' came from CONTIG 51 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
074.scf"(55>269)

45 GCACGAGGATAAGACCAATTGGTATAAAACAAGATTACTAGGAGGAAAAAGAAAATATTGTGGTTTA
GAACTGGTACTGGAGAAGGCAATGGCACCCCACTCCAGTACTCTTGCCTGGAAACTCCCATGGATGGA
GGAGCCTAGGGGGCTGCAGNCCATGGGGGGTGCTAAGAGTCAGACATGACTGAGCGACTTCGCTTTC
ACTTTTACTTTC

50 >'990913a2-076.scf' came from CONTIG 52 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
076.scf"(49>616)

55 GAGCTCCAGGACCGACAGGATGGGGTCAGCCTGCATCAAAGTCACCAAGTACTTCTCTTCTCTTCA
ACTTGCTCTTCTTTGTCTGGGCGCGNGATCCTGGGCTTGGGATGTGGATCCTGGTCGACAAGAACA
GTTTCATCTCCATCTTACAGACCTCCTCCACCTCGTTCAAGGTGGCGGCCTACGTCTTCATCAGACGCG
GGGGCCCTCACCATGCTCATGGGCTTCTGGGCTGCCTGGGNGCCGNCAAAGAGGTCCGCTGCCTGCT
GGGATGTACTTTGCCTTCTCCTGCTGATCCTCATCGCCAGNTGACTGCCCCGGGTCTTTTCTATTCAAC
ATGGGCCAGCTGAAGCAGGAGAGGGCAGCATCGTGACAAACTATTCACTACACGACGGCTCGNGA

CAATTGCAGAGCCTGGATACTGCAGCTTAGGAAGTGTGGGCTGGTCAATACTCATGNAAGAAAACGA
CTATGATGACACACTTCCTGTCTGGAAAATGAGAGAGAGCTCTGAGCCAGAGGTNNTTGAGTCTTG
CACAGACAACGCAAACCCAAAAG

5 >'990913a2-077.scf' came from CONTIG 53 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
077.scf"(53>548)
GCACGAGGCTGAGGCTCGCTCTTTGCTCTGGGGATTCTGTGGCTTTTCCCAGTGCTAACCCACTCAACA
AGAAACGGTTTACCAGACCATAACAGACCCAGAAGACAATGAAATTGTCTGCTTCTTAAAAGTGCAAAT
AGCTGAAGCAATTAACCTACAAGATAAGAACTTAATGGCTCAGCTTCAGGAAACAATGCGTTGNGTGT
10 GCCGCTTTGATAACCGGACCTGTAGGAAGCTGTTGGCGTCCATCGCCGAGGACTACAGGAAGCGGGCC
CCCTACATTGCTTACCTCACTCGCTGTGACAGGACTGCAGACACGCAGGCTACCTGGAAGGCTCTGC
AGAGGTTCTGCGGACAAGAGTGGCCATCCTACTTACCACGCTGTGTGAGTGTGCTTGGAGAAGAGAGA
GATCAGGAATATTCAGATTTATAATACAGCGTGTGTAAACCCCAAGTGAGATTTTGCAGTCTGTCGGC
GATGCCAGAGCATTGGANA

15 >'990913a2-078.scf' came from CONTIG 53 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
078.scf"(49>453)
GCACGAGGCTGTGGCTCGCTCTTTGTTCTGGGGGTTCTGTGGCTTTCCCAGCGCTAACCCACTCAACAA
GAAACGGTTTACCAGACCATAACAGACCCAGAAGACAATGAAATTGTGTGCTTCTTAAAAGTGCAAATA
20 GCTGAAGCAATTAACCTACAAGATAAGAACTTAATGGCTCAACTTCAGGAAACAATGCGTTGTGTGTG
CCGCTTTGATAACCGGACCTGTGGGAAGCTGCTGGCGTCCATCGCCGAGGACTACAGGAAGCGGGCCC
CCTACTTGCTTTCCNACTCGCTGTGACAAGACTGCAGACACGCAGCTCACTGGTAGACTCTGCAGTG
GTTCTGNGGGACAAGAGTGGCCATCCTACTTACCACGTTGTGTAGTTGTGCTGGAGAAGAGAGA

25 >'990913a2-079.scf' came from CONTIG 54 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
079.scf"(49>483)
CCCAGGCCAGGCGGCCTGCCTATCCCCTCCTACTCCCGTCGCTGCCTCTCCACCCCTGTATCTGCGC
CCGAGCCAGTTTGTGTGTCAGCGGCGGCCTCCGCCGCTCGAGCTGTTTGCAGGAGCTTAGCGCGCCG
CCGCGCAGCGCCGGCCCAATTAAGTCTAATTCATTATTCAGCGCCCCAGTGCTCCCGCGCCAGCAGC
30 TGGCGGCTCCAGCGTCACTTTGATGCCCCCTCCAGCCCTGGCCCCGCGTGAGTGCTAGGGAGCAGAC
AGAGAGAGCTGCTTTCCCTTCTCGACCGAGAAGAGACTGAGGGGGTGGGATGTANNGAGGACAAAT
CTGTGACTGTGGGAGCGACGCGCAGCCNTCGACCACCCACACATAAAATGGAAGTGANATCACCTT
TTTTTAAAGAGGAACGGCCCCCTACT

35 >'990913a2-080.scf' came from CONTIG 55 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
080.scf"(54>301)
GAACGAGGGCGGGAGCTGGGGTCTCTGGAGCGGGATGGCAGCGGGAGCCGGCCGGAGTTGGTCCCTA
GGCTCACAGATCCCGCTCTCTGGCCTGAAACATGGCCCGGGGGACCTGGCCCTCTAACCCGGCCCTCGC
CCCGACACGGCCGCGCATGCCAAGAGAGGGAAGCGACTCAAGTTCCGGGGCCCAAGACGCCTGCTCAG
40 GAAGAGTGACCGTGGGGGATTATGCCAACTCGGATCCGGCAGGCGG

>'990913a2-081.scf' came from CONTIG 55 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
081.scf"(54>687)
GAACGAGGGCGGGAGCTGCGGTCTCTGGGAGCGGGGTGGCAGCGGAGCCGGCCGGAGTTGGCCCTAG
45 CTCACAGATCCGCTTTGGCCTGAAACATGGCCCGGGACCTGGCCCTCTAACCCGGCCTCGCCCCGACA
CGGCCGCGCATGCCAAGAGAGGGAAGCGACTCAAGTTCCGGGGCCCAAGACGCCTGCTCAGGAAGAGT
GACCGTGGGGGATTATGCCAACTCGGATCCGGCAGTCGGGAGGGCTGGAAGGGGCAAGAAAGCTGGT
CGCCAATGCTGTTATAAGAAGTAAAATCTCTGTGGCTTGAAGCCTCCAGGTTCCGGCAGTGGT
AGCTCTTTCTGGGGCTGTGAGCCCTGGACACATCGAAGAAGAGGGAAGTATGCCAGAGAGAAAGATA
50 CATGAGAGACTACTACAAAAAGAAAGCAGAGAACAAGAGACCGAGGNACGGAGAGAGAGATCCAG
GATTTTGGTTTGTGCCTCTTATCGACTGAGAATTGGATTTTCTGATTGAGACGCCGACTGCCTGCCCT
GTGCTTTGACAGGGACGAACATAACACGATCCTTGCCCTGCCGCACCGACAAGAAAAGACGCTCGCTG
GGTCGCTGCCATTTGGCTTCGTCGTT

55 >'990913a2-082.scf' came from CONTIG 56 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
082.scf"(55>136)

GCACGAGGCTTCTCCAAGCATCACCCCTGGGGAGTGTTTTCTAGACTTTTTCTCATACATGGGGAGCAGT
AAGGTTTATCTAT

>'990913a2-084.scf' came from CONTIG 57 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
084.scf"(42>252)

ATAGACCTGTGGTCTTACATACACGCACCCACACACACACGCATTTATGTTTTTTTTTTTTTATTTAGTGG
CTTGAAAAATGAAGAAAAATAATGTTTTTTGCTTTTATGTGGGAAATCATGGAATACCATACGAGTTAA
GGCGTTCCTCTTTTCTCTTCGCTCACCCACGGGGTGACACCCACGCTCCCCACACCACTCATTGTTG
GGAT

>'990913a2-085.scf' came from CONTIG 58 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
085.scf"(55>578)

GCACGAGGGCCCCGGCGGAGTGGGGGCTGGGGGTGGCCATGGATGATGATATTGCTGCGCTCGTGGTC
GACAACGGCTCCGGCATGTGCAAGGCCGGCTTCGCGGGCGACGATGCTCCCCGGGCGCTTCCCGTC
CATCGNNGGGCGCCCCCGGCACCAGGGCGTAATGGTGGGCATGGGCCAGAAGGACTCGGACGGGGGG
ATGAGGCTCAGAGCAAGAGAGCATCCTGACCCTCAGTACCCCATTTAGACACGGCATCGTCACCAACTG
GGACGACATGAGAAAGATCTGGCACACACCTCTACAACGGCTCCGTGTGGGCCCTGAGAGCCCCCCC
GCTGTGACCGAGCCCCCTGACCCCCAGCAACCGGAGAGATACCAATATGTTAGACCTCACACCTCCA
TTACCGGCCTTCAGTGGCTGCCTGTTGCCTTGCCCACCACGATCGGAGGATCGTGACGGTACCCACG
GCCATTAGAGTTACCCTTCCTGCATCTCTTGACCGGTGCGGACTGCGACA

>'990913a2-086.scf' came from CONTIG 59 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
086.scf"(49>646)

GGAAAAGGACCGTGGCCCTGAGGGCCAGTTTGTGATGGGTATGTGGTACGACTGCACAATTTTCACC
AGCTGTCTGCACCCCAGCCCTGTTTTACCTTCTGCCATCCTAACAAGATCCTATGATTGACAACAATC
GCTACTGTACCTTGGGGGTTGCTGTGGAGGGGGACACAGGGCTGGGTGGGTTCAGGCTACTTTGAG
ACTGTGCTTTATCAGGACATCACTCTGAGTATCCGGCCAGAGACTCACTCTTCTGGGGTGGTTTCATGG
TTTCCCATCCTCTTCCCCATTAAGCAGCGCATTACGGGGGCGGAGGCCAGACCTCTGGTGCAGTGTGG
CGTGCAGCACTCTAGAAGGGGGGATGAGGGGCTGGACGGACGGGCTGCTTGCTTCACACCCACAGC
GTCTACACATNGCTCTACCCGGCGAGGGCGAAGCGGGAGAGCGAGATTGTTTCGAGCCAGAGGGAGAC
ACTGGCTTGTGCGGCCATCAAAGACTTAGCTGCTTCTCCTCTCAGAGCAAGGGATGGGCCAGCACCA
CGGAGATAGCCGGAGGGATAGTGTGGTTACGCTCGCCAGCCCGGAGCGGATG

>'990913a2-088.scf' came from CONTIG 60 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
088.scf"(217>525)

AGCATGATAGACAACCTTCACTCCTTTGCTCCCCAGGGCCACCCACCCCACTCACACCCAGCGAGGGA
CTTCCACCCCCACGCAGGGGGTAACCCTGACAGCCCAGGAGGACTCACACCTCCTCCGTCCGGCTGAG
CCCCTTGGGTCTTGGGAGAGACTCTTCAGCTGGTTCCTCCTCGATCCTCGCCCCCGCCGNGGGACG
GGGTNGCAGNGAGGCGGGTGTGGCTGAGGGGGGCTCGGGCTGCCCCGCTGAGGGTGGGCGGGGGGG
GGTTCTTCTGGCTGGAGATGGGGGGTGGTCTGTTAATC

>'990913a2-090.scf' came from CONTIG 61 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
090.scf"(56>651)

GCACGAGGGTTTAAAGTAAGCTCTGTTCCCTTTCAATTCACTGCTTCAGTTGTGTCCGACTCTTTGCGAC
CCCATGGGACTGCGGCACGCCAGGCTTCCCTGCCATCAACTCCAGAGCTTGCTCAAACCTCATGTCTG
TCAAGNCGGTGATGGACTCTGTTAGAGAATTTTAAATGCTATCTCTGTGTTTAGGTGAAGCAGTACCAC
TCTGTTTTTAAGTGTGTGTGTAGCTGGACACTGTTTCACTTACTTGCTTCCATCTTGTCTCTCTCAC
ATTTCAATTATTGAAGATTTATGAATATACAGAGNAAAGAGAATAGTATCAGAACTGCCATGATTCATA
CCCAAGTCAAAAATAAATACTACAGCTAGCTGATTATTATAATGCNTCCACACCTCACTCACTGATTTTT
AAGTAATCTACATGTATATTTTTNTTAATATTCATGCTGCTTAAAATAGAATCTTATTCATAACACGA
CTCTTAGCTTTAAATGCTGATTCAGTGTCAAATGGTTTATTTTTTAATAAAAAAATTTTTTTTGCTAAA
GAATTTAAGTTTCTTCAATAAAAGTTGTTTTTTTTTATTCAA

>'990913a2-091.scf' came from CONTIG 62 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
091.scf"(51>168)

TTTGGGGACGAGGCCAAAACGAATGCTTGGCTGCAGACAGGGTGGCCGCTTGGGCCCCCTCGGCGCG
AGCCCACGTAACCTGGTTTGTACCGCTTTTGTGGCCGTGTTCTACGCGCGAC

>'990913a2-092.scf' came from CONTIG 63 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
092.scf"(56>355)

GCACGAGGCCGGCCCCCTGCTGCTCTACCCCAAGTGGCCCTTTCCCAGGGGACCTCTCCACCCCTCCTC
GAAAGAAGGACCGAAAGAACCGAAGTGGGGCGCGGAGGGGCGACAGGCTTTGGGGTACTCCGGAGG
CCCCGCCAGCCCCTGGGGATGGGGAAAAGAAGACTCGAAACAAGAAAAGCAAGAAGCGGAAATTG
AAAAAAGCAGAACGAGGGGATAGGCTCCACCTCTGGGCCTCCCCGGGCACCCCCAGCGATACAA
ACCTGAAGAGAAGAGGAGGAGAAGGAGGGGGA

>'990913a2-093.scf' came from CONTIG 64 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
093.scf"(50>529)

TTTTTCTGGGATGTGAGGCAATCTGTTGGCAAAAATTACATGTATTTGTCTTCTCTATTGTAAAGATTA
TATTTAATGATATTCTTTTCTTTATCAGAGACTCTCACTGCAGGCAGNGCTATTTCTTGTGCCTAAGACT
ATTTCTGAAAGTTGCATCACTAATGATACTTGCCGAGTTGAGGGTGCAGAAAGTTTCTCATACCATATT
CAAGATAATACCAAGCACATGTGGCCGCTGGAGAGTGAAGCTGTAGTACAGAATGCGTAAATTCTGTC
CCCAGGAAATCTGAGATAAGCAGGGCTGCTGGGGTTTTTCCCCTACTCTGAGCTGTGTTCTTCTTTT
GGTAGCCTATGCTGNATAATGGATGCTAATAGTAATATTTTATGCTAGATTTCAGATTTGTCCTAGTAGT
GTCTTTTCTATGTAGAACTTAACATGGATTTAGGGTGTGTGTTTTTTAAAGGAAGGAGATT

>'990913a2-094.scf' came from CONTIG 65 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
094.scf"(51>517)

CAATTATCAAGGAGAGTTGAAAAAAGGTGATAACATCTATAATACGAGGACGAGAAAGAAAGTGCGG
GTGCAGCGACTGGTTCGCATGCATGCCGACATGATGGAGATGTTGAGGAAGGGTTTGCTGGAGACATC
TGTGCATTGTTTGGCATTGACTGTGCCAGCGGAGACACATTCAAAACAAAGATAATAGCGGCCTTTC
TATGGAGTCAATTCATGTTCTGATCCTGTCTATTCTATAGCAAGAAACCCGTCTAACAAAGATGATAC
TGAAAAATTTTCAAAGTTTTTGCAGGTTACAGAGAAGATTCCACATTATAGTCACTTTGACACTGCAGC
AAAAGACATTGNTTTGTATGGGAGATTACACTGGAATTTTTCTCACGAAGGAAGAGATATGNTTGCTT
GTTTACAGAAAACATAGTGTTTTAAGAATTTTTGTCCCTGTCTTTTCTTCCATAAAA

>'990913a2-096.scf' came from CONTIG 66 at offset 0;"E:\SEQUENCE\export\EG_DB\990913a2\990913a2-
096.scf"(58>577)

GCACGAGGGCACCACCAGCGGAAGCGCAACAACCTCATGACGCTGCCGGCGCACCGGCTGCAGCACC
CCGTGCTGCTCTCCCGCCTGGTGGTCTGGACCACCCCAACCGCTGCAACGTCACCTACAACGGCAAC
AACGGCATCCAGTACGTGGCCAGCCAGGCCGAGCAGAATGCGTGGGAAGTGGGCTCCCCGCCCTCCT
ACTCAGAGGCCCTGCTGGATCAAAGACCCGCCTGGTACGACCTTCCCTCCGCCACCCTACTCTTAGACA
CTGATCTTTGAACCAAGCCGACCTGCCCCTTACCGCTCCGGTCTGCGTGCTGACAGCGCCGCTCCCAG
CAGCCACAGCCTCTGAGCGTGACACACCACACCCGGGCACCTGACCGCAGAGGCCCCGTGACCC
AGGACTCGCCCCAGCAGGCATGAGACAATACTTGCTTTTCAGTTTTTTGGTCTTTCTTTGCTTATGTCT
AAACTGCGCTACGAGTTCTCGGGCCTTAGGGGGTTGAGGGCGTT

>'990928a-001.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
001.scf"(44>661)

GGACGAGGGGCAGCATCGGCCTTTGCAGGGGGGGGCAGCAGCACCAGGCTCTGCAGCGGCAACCCCCC
CCAGCGGCTTAAGCCATGGCGCTTTTTCACGGAATTCAGCAGCAGCCTTGCTGTAACCGACAAAGACAT
CTTCGAATTAACACATTCCTCGAGTTAAACACCAAAACCTCGCAACATGGACGAGATGAACTTTCTG
AGCAGGGAGGGGTGAGGGGGGGGACTTCGTGTCCCCCTTCGACCAGTGGGGTGTGGGGGCGTGGA
GAGCCTAAGACTACTAAATGACAACCTGGAGGGGGCCAAGCACTTCAAACATCATGGGTTCTCCTGCG
AAAGGGTAAGCAGGCTCCTCCGAATGGCTGGTGTGGATGGTTGGNCTCAAAAACAGAAAGGAGATGC
TTCTCCGGAAGATGGATGAGGAGAAAAGATTGAAGAGGTGATTTGATATCTGTAGAAAGAGACTGAA
ACAGACAATGACCTGCCAGCCGAGAACGGGAACCCCTACCTAACAGAAATACAAGAACCCCAACA
ACCAATGCACTCCAAGATACACATGACAGGCCCTCCTTTCCCTTCCCTCCGCCCTGCTCCCCTATTCTT
TTTATTAGA

CCGAAGGGGGAGGCTGGAGCCACCGAGCAACAGACTTGTGATNCTGGAAAGCAACAACAGGCCAAGC
ATGATACACAGCTATTGTGATTGAACAGAAATGAAGAGTGNAACGAAAAAGACAGACAAACAACGC
TCTGCAGTATTTTTTAACAAATC

5 >'990928a-007.scf' came from CONTIG 7 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-007.scf"(42>642)

GCACGAGGGTCAACATGACTGACAATGATCTTATCAATATTCTTGACCCTTTTTATCATCTTTCAACTA
AAAGTTTCAAAACACAACCTTTTATCACAATCCAAAACCTGACACCAACAAAAATATTAACAAACAAACAC
CCCTTGAGAAACAAAATGAACGAAAATTTATTTACCTCTTTTATTACCCCTGTAATTTTATGTCTCCCTC
10 TCGTAACCCCTTATCGTACTATTCCCAAGCCTACTATTCCCAACATCAAACCGACTAGTAAGCAATCGCT
TTGTAACCCCTCCAACAATGAATACTTCAACTTGTATCAAAACAAATAATGAGTATCCACAATTCTAAA
GGACAAACATGAACATTAATATTAATATCTCTGATCCTATTTTTGAATCAAACAACCTACTAGNCCTAT
TACCCCATCATTCACACCAACACACAATATCAATAAACTAGCATAGCCTCCCCTGGAGCAGAGCCGGA
TTACAGGATTTCGCATAAACTAAGATCACTGTCTTTCTACACAGNACACCACTCCTATCCATATAGANT
15 ATGAACTTAGTCTTTTTTACTAGTCTNCGGCGTACAGTAATATGAGAACTA

>'990928a-008.scf' came from CONTIG 8 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-008.scf"(42>463)

GCACGAGGCTCACATTCCCTGCAGACCTCCAGACTGCCCGGAGCTTGCCTGCTGCCTGCCTGCCTGCCAC
20 TGAGGGTTCCCAACACCATGAGGGCCTGGATCTTCTTCTCCTTTGCCTGGCCGGGAGGGCCTTGGCAG
CCCCCAACAGGAAGCCTTGCCTGATGAGACAGAAAGGGAGGAAGAAACCGGGGGCCGAGGGGGCCG
AGGTACCCGCGGGAGCCAACCCCGTCCAGAGGGAAATAGGAGAAATTCGATGATGGTGCCGAGGAAAC
CGAGGAGGAGNGGTGGCCGAGAACCCCTGCCACAACCACCACTGCAAACACGGCAAGGGGTGTGAA
CTGNACGAGAACAAACCCNCATGTGTGTGTGCCAAGACCCACCACTGCCCTGCCCCACGCCGAGG
25 TGAGAAAGNNGGCAGCA

>'990928a-096.scf' came from CONTIG 8 at offset 35;"E:\SEQUENCE\export\EST_db\990928a\990928a-096.scf"(38>418)

CCCGAGCTTGCCTGCTGCCTGCCTGCCACTGAGGGTTCCCAACACCATGAGGGCCTGGATCTTT
30 TTTCTCCTTTGCCTGGCCGGGAGGGGCCTTGGCAGCCCTCAACAGGAAGCCTTGCCTGATGAGACAG
AAGGGGAGGAAGAAACCGTGGCCGAGGGGGCCGAGGTACCCGTGGGAGCCAACCCCGTCCAGGGGG
AAGTAGGAGAATTCGATGATGGTGCTGAGGAAACCGAAGAGGAGGNGGAGGCCGAGAACCCCTGCC
ACAACCACCACTGCAAACACGGCAAGGGGTGCGAACTGGACGAGAACAACACCCCATGTGTGTGTG
35 CCCAGACCCACCACTGCCCTGCCCCATCGGCGAGTTGAGAAG

>'990928a-011.scf' came from CONTIG 9 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-011.scf"(36>481)

TTTTATTTACAATGCTAAGGGCTAATGTTTTTTATTTATAATACTAAATGCTAATATTCTTTGTTGTTA
TTTCCCCTCAAACCTTCAACCTTTAATTAAATTATCATCTTTAAGCTTTTGCATTTTGTTTAATGACTGG
40 GGTCTTAGAGCCATTGATGTCCTTATGTTTGTGTTTTCAAATCATATTTTATTCTGCTGTTGTGGATTGT
GTAGCTATTTGAATCATGGGCTGTTGCTTCCATTGAAGGATCTTCTGCCTTTTACTGTGGGATAACTGTT
AAAATTTATGGTGAACCTTTATAAGAGCTTATTAGCATTAAGCAGCCACCCGCAGAGAAAGGGAAACC
AATCTGGAAGCTGTGGAGTACTCATAGAATACTAATATGAGGACCAAGGACTACTAGCAACCTGAG
45 CCATTTCCACCTAAACGGGAACGCGTTGAG

>'990928a-012.scf' came from CONTIG 10 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-012.scf"(41>541)

GCACGAGGGAAAGATTTCATTGGAGATTGGGACCAGGGGTTCAAAGATTCACTGGGGTTGGTACCTTAC
TCTCCAAAAAGAGCAATATAGAGATGTCTCACAAGTTCATCCTAAACCTATTTTCTAATTTGGGAAG
50 CTAAAAGATCACAGGCAATGTAAAACATCCATTTTATCACTGTCTTTGTTTCTTATTACCTCTCTCT
AGTATCTTCCACTTCTAATTATATATATATTATATTTTTTTTTTTGGGGGGAGGGGGGATAATAAGTCTT
TATTTACCATCAAATAAATTCAAGGTCATGTCAGTTTGGTAACCAAATGGATCATAAGAAAAATGTTT
GCTCCATATTTTTTAAATTGTAAATTAACCACTGAGGGGGGGCCCGTACCCATTTCGC
CCTTATGTAGTGTATACATTACTGTCGTGGTTACACGTGNGACTGGAAACCTGCCGTCCCACTATCGCT
55 GCACCTCCCCTTGCCGTGGG

GATAATGATGACCCACCAGCTGCACTGATGCATAAGTCTTGCAATGGAACGGGAGACTGGATACCCCT
ATCCACGGAC

>'990928a-018.scf' came from CONTIG 15 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
018.scf"(34>577)

CGTTCGACAGATAGCCGGAACCTTCTGTGCTGTGCCAGCCGCATCCCTGAGAAAAAGGGGAAGGTCGG
AGTGAACGGATTTCGGCCGCATCGGGCGCCTGGGCACCAAGGCTGTTTTAATTCTGGCAAAGGGGACAT
CGTCGCCATCAATGACCCCTTCTTTGTCCTTCACTACATGGTCTACATGTTCCAGTATGATTCCACCCAC
GGCAAGTTCAACGGCACAGTCAAGGCAGAGAACGGGAAGCTCGTCATCAATGGAAAGGCCATCACCA
TCTTCCAGGAGCGAGATCCTGCCAACATCAATGGGGTGATGCTGGTGCTGAGATGTGGGGGAGGCACT
GNNGTCTCACTACCATGGAGAGGCTGTGCTCACTTGAGGGGGAGCCAGAGGTCATCATCTTGCCCTT
TGCCAGCCCCCTGTTGGGAGGGGGGAACAGANAANATACACACTCAAATGCACATGCTCCGCACACA
CGCTGCCCCCGCCAGCATCTACACTTGCATGGAGACTATACATTGAGCCTCCTCACAAAATGGAGGCC
C

>'990928a-019.scf' came from CONTIG 16 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
019.scf"(34>624)

CGGAAACCACGTACCGGCAAACCTGGCCTGCCCGGGCAGGAGTATGATATATCCTTGCACATTGTG
AAAAACAATACCCGGGGCCCTGGCCTGAAGAGAGAGACAACTACCCGCTTGGACGCCCCAGCCAGA
TTGAAGGGAAAAGATGTACAGACACCACCGCTTGGATCACTTGGTCCAAGCCCCTGGCCGAGATCGAT
AGCATTGAGCTCATGTACGGGATCAAAGACATGCCAGGAGATCGTACCACCATCGATCTCACACACGA
AGAGAACCATTACTCCATTGAGAACTTGAAGCCGGACACCGAGTACGAGGTGGCCCTCATCTCCCGCA
GGGCCGACATGTCCAGCAACCCCGACAAAGAGAACTTCAAAACAGCCTGCATGCGCCAGAAATCT
CCGCCGCATCTCCAAACAGACACAGCATCACCTGGAGTGAGGAACGTGAGGCAGCCGCCGACAGT
AAGAATTAATATGCTCCATCTTGGAGCGACACGCGGAGAGAAGACCCAGAACAAACACACAACAAAC
ACCTACAGGCTGAGGCAGAAGATTGGTTGGGGGTGGTGAAGAGAAGGAAG

>'990928a-020.scf' came from CONTIG 17 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
020.scf"(35>533)

CTGAAATTTAAGGAATATAATCTATTGCTTTATTTTGGCACTGGTTTGCAGCATGTGATGTTTCTTCT
GTGTACATGATATGTCTCATCTGGATGCTAAACTCAGGAAATCAGAGAAATGCATATGCGTTTTCTAT
GTTGATTTCTCCTTTTCTTAATCATGCTTGTCTTAAAAAAATATTATCTAAAATTTACTGGGAACTGGA
TTCATAGCTGGCACCTTGTTTTATGTAAACAGATTGCAGATAGACCAAAGATCATCTGGACCATTTTG
TGGTTCCTGCCTGTCTTCTGATTATCGCTCTCTCATCCATCCTTTCTCTCTAGAAATTTTCTTTCTG
GTCTTCTCCTTATGCTTCTTTGATCTCTGACTTTCAGTGACTTANGGGAATAGTTACATTCCCCTGGATT
ANCTGNTAGCTACCTCCTGCATCCCTTANGGATTTTATCTTAATTCTAATTTGTCTTCAGTTANATCCT
TCTCCAATGT

>'990928a-023.scf' came from CONTIG 18 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
023.scf"(35>601)

CGCCACTGAAGATCCTGGTGTGCCATGGGCGCGCCCGCCCGGGGTTACCGGGATTGTAAGAACA
AGCCGCACCCAAAGTCTCGCTTCTGTGCGAGGGGGCCCTGATGCTAAGATTCGCATCTTTGACTTGGGG
CGTAAGAAGGCCAAAGTGGATGAGTTCCCACTCTGTGGCCACATGGGGTGAGATGAGTATGAGCAGC
TCTCCTCTGAAGCCCTGGAGGCTGCCCGTATTTGTGCCAACAAGTACATGGTGAAAAGATGTGGCAAA
GATGGTTTTACATCCGAGTGCGGCTCCACCCCTTCCATGTCATCCGCATCAACAAGATGTTGTGTTGT
GCTGGAGCTGATAGACTCCAGACAGGTATGCGCGGTGCCTTTGTAAAGCCCCAGGCACAGTNGGCCAG
GTCCACTTGNCCCAGTCATATGTCCATCCGCACCAGCTGCAGACAAGGACATGGATTGAGCCTCCGCG
GCCAGTTCAGTTCTGCGCACAAATCAATCTTATAATGAGATTACAAGTCACCGAGATTGAGAATGA
GAGAAAGGATATCAACGCTGGGG

>'990928a-051.scf' came from CONTIG 18 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
051.scf"(33>601)

CGCCACTGAAGATCCTGGTGTGCCATGGGCGCGCCCGCCCGGGGTTACCGGTATTGTAAGAACA
AGCCGTACCCAAAGTCTCGCTTCTGTGCGAGGTGTCCCTGATGCTAAGATTCGCATCTTTGACTTGGGGC
GTAAGAAGGCCAAAGTGGATGAGTTCCCACTCTGTGGCCACATGGTGTGAGATGAGTATGAGCAGTTC
TCCTCTGAAGCCCTGGAGGCTGCCCGTATTTGTGCCAACAAGTACATGGTGAAAAGCTGGGCAAAGAT

GGTTTTACATCCGAGTGC GGCTCCACCCCTTCCATGTCATCCGCATCAACAAGATGTTGTGTTGTGCT
 GAAGCTGATAGACTCCAGACAGGTATGCGCGGTGCCTTTGGAAAACACCAGGGCACAGTGGCCAAGG
 TCCACATTGTCCAGTCATTAGTCCATCCGCACCAGCTGCAGAACAGGAAATGTGATGAAGCCTCCGCG
 GCCAGTTCAAGTCCTGCCGCACAAATCACATTTAAATTGGGATTACAAGTCAAGCGAGAATGGAAAGT
 5 GGAGAAAAGATATCCAAGGTGGGG

>'990928a-024.scf' came from CONTIG 19 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
 024.scf"(27>564)

CTGGTGGTGTCTCTCAGGGGCTGAAGCCCATAAAGGCCCTCAGGAAAGCAGAAAGCTTGATATATATCT
 10 CTTTGTGTCTGTGAAGCCAAAGTGAAGGCCAGGCCGCGCCGAACAGGGACGTGCAGAGAGAGATTG
 CGGACCTCGGTGAGGCCTTGGCCACTGCCTTCATCCCTCANTGGCAAAATGATGAATTACGGGAGAAT
 TTAAAGTATCTGAATAAGTTCATGGATGACCTATACCGGGCTAGCAAAGCCGATGTGCAGAATCGGGT
 GTTGAGAAGACTAATCAACTCATCGACAGCAGCCCCAACCAGCCCCTGGTCATGCTGGGAGTGGAG
 AGCGGCGCCTCGGCCAAGGCCTGATCGAAGCCTGTACTCTTTANATGCTTCCCCCACACGCCGTCTGC
 15 TCTTTACATGGATACGAGCCGCAGATACTGCTTGGTCAGTACCCACATGCAGCACGGGGCTGAGGCAT
 GAGGGGGAGAGGGTCAGCTGTGATGCAAGAGAGGAAACGGCTGTAGCCAGCAGAGGGGCTCTGT

>'990928a-026.scf' came from CONTIG 20 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
 026.scf"(34>601)

GGAGCGAGCGCCATGGTGCTGCTGCACGTGCTTTTCGAGCACGCGGGCGGCTACGCGCTTCTGGCGCT
 20 GAAGGAGGAGGAGGAGATCAGCCTTCTGCTGCCGCAGGTGGAGGAGGGCGTGCTGAACCTGGGCAAA
 TTCCACAACATCGTTCGTCTTGTGGCCTTTTGTCCCTTTTCTCTCGTCCCAAGTTGCCTTGGAAAATGCCA
 ACGCTGTGTCTGAAGGTGTTGTTTCATGAGGACCTCCGCTGCTCTTGAGACTCACCTGCCACCCAAAA
 AGAAGAAAGTACTTCTGGGAGTTGGGGACCCCAAGATAGGTGCGGCTATACAAGAGGAGTTAGGGTA
 25 CAACTGCCAGACTGGAGGTGTCATAGCCGAGATCCTTCGAGGAGTTCGTCTGCACTTCCACAACCTGG
 TGAAAGGTCTGACCGATTTGTCTGGCTGTAAAGCCCAACTGGGCTGGGACACAGCTATTCTGTGCGAA
 AGTTAAGTTATGTGAACCGATGGACACATGATTATCCAGTCTATANCCTCCTGGACACTGGAAAAGAT
 ATCATACTTCTTCTGCGTGTAGG

>'990928a-027.scf' came from CONTIG 21 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
 027.scf"(33>427)

CTTAATTCAAAGAGGGGTGGAAACGTGGAGCAGCGGAAGTCTTCCTGGGCGCCTAGATTCCCAGGAG
 GGAAGGAGGAGCTGACTGGGAATAATTTTTTCTCTCACCCCCACGCCCCCGGATATCGCCCTCGGC
 35 ACTACCATGAAGAAAAATGAATAGAGGGGGGGCACATGGATTTCCAGTAGCCGCCGAGTGTGGGAA
 CTCCAGGTTTGTCTTTTATGGTTTCTGGTGAAGAGCGGCATGTGAACAAATCCATGAACAAACCCAA
 GAGCTGTGAATATTCGCACAGAAGGTGCTGGGGCGGAGTGGGAGGCGGCGGCAACTAGCCTTCAGGT
 GGGAGGGAGAGAGAAGATCGCCCCACTGACCTTGAAGACCTCCCTGTAAAGTCCCACG

>'990928a-029.scf' came from CONTIG 22 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
 029.scf"(39>424)

GCACGAGGCTCTTTCTGTAAAGGTGCAGAGGTGGCATCAATGACGATGAATGTGATCCACACTGTGC
 CTAACCTGGATTGGCTTTCTGTGTGGATCAAAGCCTATGCTTTTGTGCATGTTGGTGACAATTCGAGAG
 CAATCAATACCATTGTTCCTACTANAGAAAAAGTCCTTGTGAGAGATAACGCGGGACCTACTGGGAAG
 CTTAGCAGATCTGTACTTCAGAGCTGGAGACAATAAGAACTCTGTCCTCAAGTTTGAACAGCACAGAG
 45 TTGGATCCATATCTAATAAAGGAATGATGTGTATGGCTATCTCCCTGCAGAGAAGACGATGGAGNAGN
 NGGAGACCTTGCTGCCGCCTTTTATATATCTGACCACAGCACACC

>'990928a-030.scf' came from CONTIG 23 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
 030.scf"(39>593)

GCACGAGGCGGAGACGCGAGGAGCAGGAGGCTCGGGAGAAGGCGCAGGCCGAGCAGAGGAGCAGGA
 GCGGCTGCAGAAAGCAAAAAGAGGAGGCCGAAGCTCGGTGCCCGAGAAGAAGCAGAGCGGGAGCGTC
 TGGAGCGGGAAGCACTTCCAGCGGGAGGAGCAGGAGCGGCAAGAGCGTATAAAGCGCTTGGAGG
 AGATTATGAAGAGGACTCGGAAGTCAGAACTGCTGAAACCAACAAGCAGGACAGAAGGAGGCGAC
 GGCCAACAATTCCAGCCCACGGATAGACCCTGCGAAAGCTGTGGAGGGTCCGCCTGCCGGGCTGCAG
 55 ATGAGGAGCTGGGCCCCCAGAGCCTCATGGGAGCCTGCCAACAAGAAGTCGCTGGGTCCCTGGTGAT
 GGGCTGCAGCTTGCCACGCACCAGATAACGGTTNTCTCTATGGACCCTCNGACAAGAGTGGCNCAGACG

CACAGCTCTCTGCCTTCCAAGCATAACTATTATAAATTGGTGCAGCCCTAGCCATAATCTTAGGTTGCT
GTTTCAGCCAGTATAGCTCTT

>'990928a-031.scf' came from CONTIG 24 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
031.scf"(34>418)

TTTCAGAGATGGAGGCAAACATGAAGGGAAAGACATGTAATGAAGATTTTTTTTTTTTTTAATCGTGGT
CTTTTTTTTTTTTCCAAAGCAATGTTTAACTAATAAATATTTTTTTATGAAGGGGAAAGCGGGAAAAT
CACATCTCACATTTTGTACCTTCCCGTGTATGCGTCGGGGTTCGGCGTCTGCATCACCAACGCGGAAG
GTGGGCCATCAGGCGGCTCGTTCTTTGGGGTAGGGGAGGGGCGGAGAACCAAGATTTTGCATCAAGCT
CTGGATCCTGACGGGGTGTATGTTGGGACTCTGAGTTGGGGAATAGTCACAACACTGCCAGAAGCTGG
ATAGGGACCTCGATTGAAAGGACACAGCTACTGCTTCCACTT

>'990928a-032.scf' came from CONTIG 25 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
032.scf"(39>446)

GCACGAGGCCCGAGGCGGGAAGGCGTGGAGGCTCCTGTGGTAGCCCTCCTGAGCTGTGCTGGAAGCCT
GGACTGACCAATCACCCAATCCAGTTCCTCCTGCAAACTCTGTGGCCAGCCTGGCATCAGTTCAGG
CCTCTGCTGGGGGGAGGGGGGCCAGGCCTGGTTGTCTAAATGCAGGCAGCTGGCAGAGGGGGGGTGG
GTATGTTTCCATGTTTACCATGGGTGTGGAGAGAAGTTGGGGCCCTACTCTCCAGCTGAGCGGCC
TGCGGCTTCAGTGCATGCATTGATGCGTNTCTGTCTGAGGCTCATCTGTGTGTGTGTTTGTGGTTTAA
AATACTATGTTTGGCCCTCCTCACAAAAAATGCACTTGTATATTCCCTTTAGTGAAAAATGGTAAGGGAT

>'990928a-035.scf' came from CONTIG 26 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
035.scf"(39>316)

GCACGAGGCTTAACCCACTGGGTTTATAAGAAGTATCCAAACGTGTTTAAAGAAGATCCGAGGCATTGT
GGAAGAGAGCGTGACTGGGGTTCACAGGCTGTATCAGCTCTCCAAAGCTGGGAAGCTCTGTGTTCCGG
CCATGAACGTCAATGATTTTGTACCAAACAGAAAGTTTGATAACTTATACTGCTGCCGAGAATCCATTT
TGGATGGCCTGAAGAGGACCACAGATGTAATGTTTGGTGGGAAACAAGGGTAGTGTGTGGGTTGTGG
AAGGGG

>'990928a-036.scf' came from CONTIG 27 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
036.scf"(39>557)

GCACGAGGGCGCACTGCGCCCGGCCAGCTTCTTTCAAAATGTCTACCGTTCATGAAATTCTGTGCAA
GCTCAGTTTGGAGGGTGATCACTCCACACCTCCAATGCATACGGGTGAGTCAAAGCGTACACTAACTT
TGATGCTGAGCGGGATGCTCTGAACATTGAAACAGACATCAAGACCAAAGGTGTGGATGAGGTCACC
ATCGTCAACATCCTGACCAACCGCAGCAATGAACAGAGACAGGATATTGCCTTCGCTACCAAAAAG
GACCAAGAAGGAACTTGCATCAGCACTGAAGTCAGGCTTGTCTGGCCACCTGAGACAGTGATTNTGGN
CCTATTGTAAATACTGCTCATATGATGCTTCTGACTGAAAGCGTCATAAGGGGCTGGGACTGATGAGA
CTTCTATTGGAACATCTGCTCAGGACAACCAGACTGCAGAATCACAGATTTAAGAAAGTACAAACGA
TTGGAAAGAATTGNTTCGAACATTGGGATTTCGAGTGAGGCGCC

>'990928a-037.scf' came from CONTIG 28 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
037.scf"(39>565)

GCACGAGGATATTCCATTTTGCATTTTCCCCCTACCCCCAAGAAAAAGAAATGCAAAAAGGCAAAATG
GTTGTTTGAGGAGGTTTACAAATAGATGAGAAAAAGAGAAAGCGAAAAAGCAAAGGAGAAAAAGGA
AAGATACATCCATCTGAATGCAGAGTTCCAAACAATATCAAGCAGAGATTTAAAAAAGCCTTCCTAAG
TGAACAATGCCAACAAAGGTCCATCTATTCAAAGCTGTGGTTTTTCCAGTAGTCGGGTATGGATGTGA
GAGTTGGAGTATAAAGAAAGCTGAGCGCCAAAGAATTGATGCTTTTGAAGTGTGGTGTGTTGAAGAC
TCTTGTNATCCCTTGGACTGCNAGGAATCACATCATATCATTCTAAGNAAANACTCCTGCATATTCTG
GAGGACTGAGTTGAAGCTGAACTCCATACTTTGCCTCTGATGCAACACTGACTCATGAAGACGTGATG
TGGGAGATGCAGNAGAGAGAGGGGAGAAGAGATCAAGGTGGATGCTCCTGCTC

>'990928a-053.scf' came from CONTIG 28 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
053.scf"(39>582)

GCACGAGGATATTCCATTTTGCATTTTCCCCCTACCCCCAAGAAAAAGAAATGCAAAAAGGCAAAATG
GTTGTTTGAGGAGGTTTACAAATAGATGAGAAAAAGAGAAAGCGAAAAAGCAAAGGAGAAAAAGGA
AAGATACATCCATCTGAATGCAGAGTTCCAAACAATATCAAGCAGAGATTTAAAAAAGCCTTCCTAAG

AAACAGATTTAAGAAATCTGTTTATGGCACCAATATTTTTCTTTCAAGCTTTGTCTTTCCAGCACCAA
ACGTTAGATGTAATACACAAGCACACATACTGTGTGTGTGGGTGTGTGCATTTGTGCATGTGGATTTTT
ACAAAAGTTNTTATTGAAAAGCAAGAAATATATAGCACTGATACCTCTTTCTGGACACAGATACTGGT
TTCTTAACATATCACCTCCCCCTCTCCAAAAAAATTTTCAGCAGNAAAC

>'990928a-046.scf' came from CONTIG 34 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
046.scf"(39>526)

GCACGAGGCTCTCCTTACCTAAGTCCAGATTTGTTTTTAAGGCATAGAATGTATAGCAACCCACCCAGT
TCCAATCTGACTGATTTTTCCAGACAAGAAACAAGCAAACCTGACCATGGATGGCTGGAGGGCATCGAC
ACCGACTGCAGGATACACGATGCCGCAAACAGGCAGCAGCCTCTTCATACGAGTGTCCAGCTACTCCC
TGGCTTCCCCACTGTTGTATAAAGAAGGATTTGGCTGGTCTTTGTGGCACTTCCTAAGAGGAACCTAT
AACTTTTCATAACTTCCTTGGTGATAGGAGTGTCTTTGTTATTCATGGTGGACCCTTTGGATCTCAACTT
TTTACTTAACGAGGTGACTCATGGTGGGCCCTANATAGTTTCAGGATGGGCTGGGTGTGGCTGAGAGA
TCAACCATGAGATACAAAGCTGGGCCCTGAGTATCTGCTTCTGACATCTGGGTGGGAGAGAGAAAGG
GAAATGAGN

>'990928a-047.scf' came from CONTIG 35 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
047.scf"(33>617)

AATTCGTGACGAGGAGAGAACTAGTCTCGTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGT
TATTTTTTCAATTTTTTAAAAACAAATTACCCCAACAAACACAAAACCTCCCCATCCCAAAGCAGATA
AGCTTAACACGTTAGGGTTAACAGGAGAGAAAGGGGTAAAGTCACACACGACTTGGGGGTGGGGGG
TGACGCGGCCGGAACCCGGGGGGGGGCACGGTTGCTTATCGCCCCAAATAAAATAAACACGGGGCCCT
CCCCTCAGGGAGAGGAGGGGGAAGGGAAGCACGACGGCTGGACAAACATGCGCGTTATGCCAAAACC
TGGCTTAAAAAAAAGAAAACCCACAAGCAGGAACGCTCAGGACACCTGTGAGTAGGGTGGGCAGGA
GGGGATCGGCCAAAAGCCAAACACCGAACCCGGGGGCCCTGGGCCCCACCTGCCTCACAGATGCGG
GACCCACCCCTGGCTTTCGAATAAGGAGCTAGGGGGACACACCCACCCCTAGGCCATCCCAGGAGGCCC
AGCTTGACGCCCCGCCCCGGGTCCCCGCCATTGGAGCGGGGG

>'990928a-049.scf' came from CONTIG 36 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
049.scf"(26>628)

CTGTTTAATTCGGCACGAGGCTCAGCTGCAGCCCGCACCGTTGCCGCCTGGTACCGGGTTGGGAACAG
GAGCCTAGGGGTGCTTGCAGCAGGCCGTCCCGGGCAGCAAGGTGGGGGGCCCTACAGCGATGCTCCG
AGGCATGTACCTCACTCGGAATGGGAACCTCCAGAGGCGGCACACCATGAAGGAAGCCAAGGACATG
AAGAACAAGCTGGGCATCTTTAGGCGGCGGAACGAATCGCCTGGGGCCCAGCCAACGGGCAAGACAG
ACAAAGTGATGAAGTCATTCAAGCCCACTTCAGATGAAGCGCTCAAGTGGGCGAGTCCTTTGAGAGCT
ACTGGTCCACAATACGGTCTAGCGGTGTTCCATGCCTTCCTCCGACTGAGTTTATGAGGAGAACTGGAT
TCTGCTGGATGCGAGACTTCAGAAAGNNCAGCACAGCCAGATGCGCCAAGCANAAAACTTGCTGGACA
TCGCATCAGCGGCAGGAGAACTGACTGNAACAGGACAACAAGACACTANANGTACTCGGCTGTTGA
CTCACAATGCATTGGTATGTGAGATCTACCCCTCTCCTGCCTTCTGACTTACAAAAAAACCC

>'990928a-050.scf' came from CONTIG 37 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
050.scf"(42>608)

GCACGAGGCTCGCTTCTCCCGGCCGCATCCCGCGGGACCGGAGCGAGCAGCGGGGACCATGTTCCGAC
GCAAGTTGACGGCCCTTGACTACCACAATCCTGCCGGCTTCAACTGCAAAGATGAAACAGAATTTAGG
AACTTCATTGTTTGGCTTGAAGACCAGAAAATCAGACACTATAAAATTGAAGACAGAGGTAATTTAAG
AAACATCCACAGCAGTGAAGTGGCCCAAGTTCTTTGAAAAGTATCTCAGAGATGTAACTGTCTTTCA
AGATTCAAGATCGACAGGAAGCAATCGACTGGCTTCTTGGCTTAACTGTTAGACTTGAGTATGGAGAT
AATGCTGAAAAATACAACAAGGACTTGGTACCTGATAATACAAAAAATGCTGACAATGCAGCTAAAA
TGCAGACCATTGATCATTTGGATGTAAATATCCTGATTTAAAGGCTGTGTATGTCTTGGCTACCTTCTC
AATCCACGTATGATGATACTGNAAGCTAAGCATTGCATTTGTCCAGACGCCGACCAGAGCATGCTAGC
AATAATGAGAGGTGCTGTGCTAA

>'990928a-052.scf' came from CONTIG 38 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-
052.scf"(34>527)

CACCGCCGGGGGAGAGGAGGGGAGCCTGTCCGAGCCCCGGCCCCAAGTAACGCCGCCGCCCGGAG
CCGCCTTGAGTCTCTCTCCCACTAATTGCCTCTTTGCATAGCACCGGCCCTGCCCCACGCTCACT

GGTACCACTACAGCGGGACGGGCCATGGCGGGGCGGGGAGGCGCAGCGCGACCCAACGGACCAGCTG
CTGGGAACAAGATCTGTCAGTTTAACTCTGGTCCTGCTGGGGGGAGTCCGCAGTGGGCAAATCCAGCCT
CGTCCTCCGCTTCGTCAAGGGTCAGTTCCACGAATACCAAGAATAGCACATTGGAGCGGCCTTCCTCA
CACAGACCGTCTGCTTGGAGACACACAGTCAAATTGAGATCTGGGACACAATGGACAGACGGATCAC
5 ACCTGCCCCCTGTATATCGGGGGCCAGCTGCTCGGGGGCTACACATCACACACAAACCTTGACGGCA
GACTGAGAAGANGTAAGAGN

>'990928a-055.scf' came from CONTIG 39 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-055.scf"(31>112)

TTTTTATATCACAATCAATAGATTTACCAACAACCGGGAGCTGCAACTGCCTCTTTGAATGGGGGTGG
10 GGTGGGGGAGNAGG

>'990928a-056.scf' came from CONTIG 40 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-056.scf"(26>376)

CTGCTGGCCATACCTCTTAATAATACTTGATTTTTATACATTCACATGTTTTAAATGCTCAAGTTTGTAG
15 AAGACACTAGGAGAATTCCATTCCATTTCTGGATGGTTGCTGCTCTGGCTTTTTAAACTTGGAACCTA
ACGTTTATTTAAAGCAAAGAAAAATCTTTAAGAGGGCTAAATTGATGCTGCTATTATTGCTGTGAAATT
GTATAAAGATTAGGATTCATGCCAGTTTTTTTAAATCTAAAAAATCATGTGATTGCATTTAAGGGTTTA
TATTTAAAAAAGAAATAAAGTTTTAAGAGCAACACATTTACTTATTATATATGTGGAAATACTTGTTA
20 NGTGT

>'990928a-057.scf' came from CONTIG 41 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-057.scf"(26>601)

CTGCTTGCGGACCTGCTGGAGCTCCTGGCACTCCTGGACCTCAAGGTATTGCTGGACAGCGTGGGGTG
25 GTCGGCCTGCCTGGGCAGAGAGGAGAAAGAGGCTTCCCTGGTCTTCTGGGCCCCCTCTGGGGAAACCCG
GCAAACAAGGTCCTTCTGGAGCAAGGGGTGAACGCGGCCCCCTGGTCCCATGGGCCCCCTGGATTG
GCTGGACCCCTGGCGAGTCTGGACGTGAGGGAGCTCCTGGGGCTGAAGGATCCCACTGACGATATGG
TTCTCCTGGCGCCAAGGGTGACCGNGGNGAGACCGCCCTGCTGGACCTCCTGGTGCTCCCTGCGCTC
CCCCGGGCCCCCGCCCCGTGTCGGACCTGCCGGCAGACGGGNGATCGNNGGNGAGACCCGTCTGCTGGTCT
30 GCTGGTCCATTGCCCCGTGTGGCCGNGGCCCCNTGACCCAGCCCCGAGNGACAGGGGAGAAGGGAC
AGGCGAAAGATAGGGCACGGGGTTTTGTTCAGCCCCCGCCTCGCTTCTGGAGATGACTCGAGCTTG
TCTTGTGCCCCGCCCCGCTTGTGTTTCAATTGA

>'990928a-058.scf' came from CONTIG 42 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-058.scf"(26>628)

CTGCTTTAATTTCGGCACGAGGCAGTGACATTGTGCCACATGGGACGGTATTCGGATGGGGGAGAGAC
35 TCCGCACCATGTCCTGCAGCGACAAGATCCTGCGCTGGAACGTGCTGGGGCCTGCAGGGGGCACTGTT
GACCCACTTCTGGAGCCTGTGTATCTCAAATCCGTCACTCTGGGTTACCTATTAGCCAGGGGCACCT
GACCCGCGCCATTTGCTGTCTGTGACAAGAGATGGAAGAGCGTTTGAGGATGGACTTCGACATCCCT
40 TTATTGTCAACCAACCCCAAGGTTGGCCGAGTAAGAGTATACAAATCCAAAAGGCAAGATGGGAGACC
AAGAGAAAAGGTCAACTGGTGTGTTGGGTGATGCTACGACTCGAAATCTGGATGGACAGAGCACCGGG
AGGACCACGGACGAATGTCCGGAGAACAAAAGACATTTTCTTATTAAGAGCTTGTCTTCGATCCGAAA
AATATTAATCTCTAGGGAGCAAAAAGTCCGGATACAAAACAACTATTAATAATTGAGAAGGCTAGG
AAGGTACAGCCAGAGAAAATTTACTGCGGGTGGCGGGTGGGGGGGTTTCAGGGGGAAAGGGG
45

>'990928a-059.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-059.scf"(34>633)

TTCAAGATGAAGCTGAACATCTCTTTCCCGGCCACTGGCTGCCAGAAGCTCATTGAAGGGGACGATGA
50 ACGAAAACCTCGTACCTTCTACGAGAAGCGTATGGCCACAGAAGGTGCTGCTGACGCTCTGGGGGAAG
AATGGAAGGGTTATGTGGTCCGAATCAGAGGCGGGAACGATAAGCAGGGTTTCCCCATGAAGCAGGG
TGTCTTGACCCATGGCAGAGTTTCGCTGCTACTGAGTAAGGGGCATTCTGTTACAGACCAAGGAGGA
CTGAAGAGAGAAAGCGCAAACTGTACGGGGTTCATTGTGGATGCCAATCTGAGTGTCTCTCATTTGG
TCATCAGGAAAAAAGGGATAAGGATATTCCTGGACTCACTGATACTACAGGCCCTGTGCCTGGGTCCC
AAAGACCAGCAAAATCCGCAACTTTCATCTCTTATGAANAGATGCCGCATATGTGGGGGAAGCCCTAACA
55 AACGTAGAACTAGACTAAGCACAGATCACGCCTGGACTCCGANTTGCACCAAGCGCGGTTGTTGAG
ATAGGATATAAAAAGAGAGTGGAATGTACTTGTAGAAGAGAGCAGAAAGAGAAGAGCA

>'990928a-062.scf' came from CONTIG 44 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-062.scf"(26>467)

CTGCTGGTTTTTTTTTTTTTTCAGTTTCTAAATCATTACTTTTTATTTTGAAAGATTTGTCAAACCTCTTCAC
 5 ACCGGGGCAAGAGTTTGCATGATTAATAAGAAGCAGTTTTTTCATGAAATGCTTGGAGGGGAACGAGT
 TCTCAGCCTGTGATCCGACCATCCCATTGACTTTGAAATTTCTTTTGATTAATATAAAGAAAAAGTG
 GGGAGGGGAGAAGAGGAGGAACATGCTAGCGACTGAAAGATCTCTGGTGACAGCCATCCAAATGTGA
 AAAAAGAAAAACAGAAAACCCAAAAGAAAAACCAATTTGCCACCTGCCCTTTTCTGTTTTACCACGCTCT
 10 GCTCCTCGCTCTTGTTTTTGTCTTTCTGGTTGAAACAGCCTCCCTGCCCTGCATCTCCTAAAGAAGTTTG
 GAGGGGAGCACCCCTGCCGACCGGGGACC

>'990928a-063.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-063.scf"(33>412)

TTTTTTTTTGGTAAGGTTGAATGCACTTTTGGTTTTTGGTCATGTTTCAGTTGGTCAAAGATAAAAACTAA
 15 GTTTGAGAGATGAATGCAAAGGAAAAAATATTTTCCAAAGTCCATGTGAAATTGTCTCCCATTTTTTG
 GCTTTTCGGGGGTTTTCAGTTTGGGTTGTTTGTCTGTTTCCAGAGTCAGGGGCAAGTGGGTTGGGTGGGA
 GGGAGCCAGGTTGGGGTGGAAGGAGTTTACAGGAAGCAGGCAGGGCCAACGTCGAAGCCGAATTCCT
 GGTCTGNGGCGCCAACGTCCAAGGGGGCCACATCGATGATGGGCAAGCGGGAGGTCTTGTGTTTTTG
 20 TATTCGATCACTGTCTTGCCCCACGCTCCGTGTGACT

>'990928a-064.scf' came from CONTIG 46 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-064.scf"(27>552)

TGCAGGTTTCGCTTAGGGGCAGACGGGCAAACAGAGCCAGCATGCCGGTCGCCCCGAGGTGGGTTTGT
 25 CGCAAAACCTATGTGACCCCGCGGAGACCCTTCGAGAAGTCCCGCCTCGACCAAGAGCTGAAGCTGAT
 CGGCGAGTATGGGCTCCGGAACAAACGTGAGGTCTGGAGGGTCAAATTCACCCTGGCCAAGATCCGA
 AAGGCTGCCCCGGGAGCTGCTGACGCTGGATGAGAAAGACCCGCGGCGTCTGTTTCGAAGGTAATGCCCT
 GTTGCGGCGGGTCGTCCGTATCGGGGTGCTGGATGAGGGCANGATGAAGCTGGATTACATCCTGNGCC
 TGAAATTGAGGATTNTTGGAGAGACGCCTGCAGACCCANGTCTTCAAGCTGGGCCTGCNCAAGTCCA
 30 TCCACCAGCCCGTGTGCTCATCCGCCACGCCACATCAGGTCCGAGCAAGGGGGACATCCCGTCTTCT
 CGGCGCCTGACTCGCAAAACAATCGACTCTCCTGCCTCCCTCGCGGGGCCGC

>'990928a-068.scf' came from CONTIG 47 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-068.scf"(34>622)

GTTGGATTTATTATTAAATTTTATTATGGATGCACGTACAAAAAATGAAGAATAACGACACACAACA
 35 CTATGGAGAATAATTTAAACAAATTTTCTGTGATAATGAAACCAAAGCCGCCACTTTATTATTGTTTG
 TTGTGGATGATTTTATAAGGATGGAGGGGATGAGGATTCTGGAGCGGTAATCGAGCATGCTTGTTTTT
 ATAAACAAAATCTAACGGAGGACCTGGAATTAGATTGCAAGTCAATATTTTTGTTCTAGAGTTATCA
 TAGCGAAAGACCATATGACCAAACCATGGTATTTATTGACTTGACTAATATTGAAAAAATGGACCAGG
 40 ACCAACCAAGAATAAGAAATATTGCTTTACAACAAATGAATTCAAAAATTTATTTGGCTTTTTTTACTT
 TTTAATTTTGAAGTCGTATGTTTTTTTAAAAAATTCAGAATGTACGTTTGCCTGTTTCCTTCTTTTCTT
 TTGCATTTCAAAATTTGTGCTTTTATAAAGAGACTTGTTTCGAAAGCTTCTTATTTTGTGAGTTGTAA
 GTCTTATTTGGGAACAATGTTTTGAATGGTAATAAAA

>'990928a-077.scf' came from CONTIG 48 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-077.scf"(39>465)

GCACGAGGCCGAAGACGTCTCTCGATGTCCAGCTGGCATTCTCCTCCGACTTCTCTCCAGCCGGGCCTCTCA
 45 GAACATCACATATCACTGCAAGAATAGCATTGCATACATGGATCATGCCAGTGGGAATGTAAAGAAA
 GCCTTGAAGCTGATGGGGATCAAATGAAGGTGAATTCAAGGCTGAAGGAAATAGCAAATTCACATAC
 ACAGTTCTGGAGGATGTTTGCACAAAACACACTGGGGAATGGGGCAAACAGTCTTCCAGTATCAAA
 50 CACGCAGGGCCGTCAGACTACCTATTGTAGATATTGCACCTTAGTATCGGGGGTCTGATCAAGATTT
 GGTGCGGACATTGGGCCTGTTTGGTTTTTTTATACAAACTCTTCCAAGACCACAAAACTCACCTCCTA
 TGCTTTTGTTTTATTTGTC

>'990928a-069.scf' came from CONTIG 48 at offset 164;"E:\SEQUENCE\export\EST_db\990928a\990928a-069.scf"(34>497)

5 GCCGGTCTGGAGGAAGTGGGGTCGACCTGAGTTCTGGGGGTGTGGTAGGCCAGGGCGGGGTGTGGCC
TCCCTCCAGGCGCCATCATGATCATATACCGGGGACCTCATTAGGGCATGACGAGATGGTTTCCGACA
TCTACAAGATCCGGGAGGTAGGGGCGGGGTGGGGGTGGAGGGGAGGGGAAGATGGTCAGTAGGA
CAGAGGGTAACATCGATGACTGGCTCATTGGTGGAAATGCCTCCGCTGAAGGCCCCGAGGGCGAAGG
TACCGAAAGCACAGAAATCACTGGTGTGATATTGTGATGAACCATCACTTGCAGGAAACCAGCTTTA
CAAAAGAAGACTACACTAAGTACATCAAAGATTACATGAAGCCTATCAAAGGGAAACTTGAAGAC

>'990928a-085.scf' came from CONTIG 55 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-085.scf"(41>633)

10 GCACGAGGGCTATCCTAATCGCAATTGGAAGGATGCAGGGCTGAAGAACGGTGTACCAGCTGTGGGC
CTGAAGCTTAATGACCTCATCCAACGGTTGCAGCTGTGCTACCAGCTCACCACAGTTGCAAGTTTGA
GGAGGCTGTGGAATAATCCGGTCCATTTTACTCAGCGTGCCACTTCTTGTGTAGACAATAAACAAG
AGATTGCAGAGGCTCAGCAGCTTATCACCATTGCGGTGAGTACATTGTGGGTTTGTCCATGGAGACA
GAAAGGAAGAACTGCCCAAGGAACTCTAGACAGCAGAGCGCATCTGTGAGATGGCAGCCTATTTT
15 ACCCACTCAAACCTGCAGCCAGTGCCATGATCCTGTGTTGCGTACAGCCCTCACCTCTTCTCAGCTCA
AGACTCAGNATGCTGCCGCCTTGCTCGCGCCTGTTGGACTCGGCCCCAGCGGAGGGATCAACAACCGCA
AACCTGTTGCTGGAGAAAACCAANAGCCATAATCATATACATGACACCTTGAATTGGCTGTCTTCGCC
CTTACGGAAGCAGGAGAAGACGTAGGGGCTGTTTCTGTTAGTAGATGAGA

20 >'990928a-087.scf' came from CONTIG 56 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-087.scf"(35>492)

25 TTTTTTTTGAAGAAACATCGCTTTTTTTATTTTTTACACAGTTCAACTGGGACACAAGATATTCTATAA
AAATTCCCAATAAGAGCTAAAGAAAACCTTTGTGTATTTGGTTTTACATATTAATTACTCTAAAAAGT
TTCTGAACTCTGTTAATAGCAGGTCTCCTTTCTTGATAGTTNTTGGTACTGCCAGTTTTTGTGTGAG
GTCTGTTGGTTTTCCACTACTTCATTCACTTATCTATTTTGCAGTGAAGCCTACCAGCACCAATAAACCT
GGAGAGTTCTGATCAATGAACTCCACACCAACACCAAAAGCTTATGCCATATAGACCAGGAGTAATG
AACTGCACGATTCCAGCTGGTGGCTGTACGCATGTATTGGCATTCTCTACGTTATATCGATAATGAGA
GCAAAAGTCATCCTTTTTCTTTGCTTTCCCATATCTACACT

30 >'990928a-089.scf' came from CONTIG 57 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-089.scf"(42>552)

35 GCACGAGGGGGAGAAAAGGGGTCAGGTTCTTCTCGTGTCAAGCAAATTCTGCCTCAATTAACCTAAC
TATTGCAGCAGGGTACCCAGGCCTTTTCGGGAGTCCCTGGACTGTCTGCCTAACCATGCAGTCAGCC
GCTTAACGCTACACCAGTCTCATCCCCTCTGTCCCCCATTACAGGCCGCGGGGAGTGGGGGAGACAGT
TGGCCACCTTCTCTGTATATTAATTGGCATGATATGGTATTGTATAGGATTTTAGCAATTCATGATAA
ATATGTCAGGCTAGGCTTTACTATTTTAATGCTTATGGACATTGTATATTTGTATTTAAGACCAAGTA
GACCAAGTCACAAAGGTCTCTCTAGCGTACCATAACCCGNGGCCGNAGAAGGCTGGAAGGCTC
CACCAGTTCTGAAGGCAGCTGCTTTCTGTCTCTGTGCTGGACGGCCCTGTCCACTATAACTAAACTG
GCTCCGAGGGTACGCATAGNGGCTTACGTCTCA

40 >'990928a-091.scf' came from CONTIG 58 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-091.scf"(43>555)

45 GGACGAGGCGCCTGCGGAGCGGCGTGCCCGGCGTGCGGGTGCTGCAGGGACTCGGTGGACTTCTCGTT
GGCCGACGCCATCAACACCGAGTTCAAGAACACCCGACCAACGAGAAGGTGGAGCTGCAGGAGCTC
AATGACCGCTTCGCCAACTACATCGACAAGGTGCGCTTCTGGAGCAGCANAACAAGATCCTGCTGGC
TGAGCTTGAGCAGCTCAAGGGCCAGGGCAAGGCGCGGCCTGGGGGACCTCTACGAGGAGGGAAGAGC
GAGAGCTGGGCCGCGCAGGGGACCAACTCACCACGACAAAGCCCCGTCGAGGGGGAGGCGACAACCT
GCCGAAGACATATGAGGGTTCGGGAGAAGTAGGAGGAGAGAGCTTAAAAAAGAAAGCGAGACATCT
GCATCTTTTAACAGATGTGACATGGCTTTTGCCGTTTGCCTGGAGGAAGGGGATCTTGAAAAAATGA
50 CTTTTATAATGATAATAGAATCAGAACTAGCCAATCATAACAA

>'990928a-095.scf' came from CONTIG 59 at offset 0;"E:\SEQUENCE\export\EST_db\990928a\990928a-095.scf"(44>509)

55 GCACGAGGGAAGTAAGGAACATATTGGACTTAACAAATGTGCTCTTAGAAGTTATGTGTATGTAGGGG
GCTTACTGTGCTCTTTCTAAATAAAAGAAATATTGGGGCTACATGAGTAGCACTTACCCATTTCTCATT
CTCCAGTCTCTTCGATATTGTCAGGGATAGACTAAACAGAAGACTTGTGTTGTTTTATACTAGCCAAAA

ATGTTATAACCTCTAAATATTCCAAAAATTATACATTAAGAATAACAGAATCAGAACATAAAATTCTA
AAATAACTCTCAAACTGTGTAGATTAACATCTTGATTTATATTAATCTTCAACAGAATAGAGAAAGT
AACTCTGATTTACAAGGTCAGTATTTTCTCTTTATATGACAGTTGTACATACTCAAGTGAGGATAT
AAAACCAACGAAGTGTGATTTAGGATAGACTGGGGGTATTTGTCAGCAGCTTGGG

5

>'991015a-001.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-001.scf"(42>686)

10

TTTTTTTCGGCACGAGGATGAGCTGGGTAGACCTTATCATCCCAGATACCCCTATAAGCTCCTCCTTGCT
TTATGGATAGCATTGCTGAAGATCACCGGCTGGAGAGCCCCACTACTCCTCTGCTAGAGGACACAGAT
GGTCTCAAGACAGCCCTATTTTATGTATGCTCCTGAGTTCAGGTTTCATGCCACCACCTACTTATTCTG
AGGGTGATCCCTCCGTCCTGAACACAATGTGCAGTGAGCATGTGGAAGAAAAGAAGCAGTTGTACCTA
CCTGTTTCTCTTCATCTCTCTTCTGACTCTTTAATTTTTTAGAGACTCAACAGTCTCCACAGGGGGG
ACAGGCCCCACCCACCCCTCTGTCTCTCCAGGGGGGAGGGGGACAACAAGCAACCCCTGGGGCCCTAAG
GGGCGCACCCCCCTACCACCCAATGATGGGATACNAAATTTTTGTAATGGGTTAAAAACACTACAAA
AAAAGTAGCCCTCCCATCTTGATTCTTTTAAAGAGGATTTGAGAATTTGATAAGGGAGAAAGGACCG
GAGCGGCCCCGCGAAGGGGGATATAAAAAAATGTTAAAAAACTTACCCGCCCCGGGGGAACATAAAA
CAAAAAGAAAAAAGAAGGCAATGGAAAAG

15

>'991015a-003.scf' came from CONTIG 2 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-003.scf"(45>709)

20

GTTTGCCGCCAGGACACAGGTGTCGTGAAAACACCGCTAAACCTAAACCAAAATGGGAAAGGAGAA
GACCCACATCAACATCGTTGTCAATTGGGCACGTAGATTTCAGGGAAGTCTACCACGACTGGCCATCTGA
TCTACAAATGTGGCGGGGATCGACAAGAGAACAAATTGAAAAGATCGAGAAGGAGGCTGCCGAGATGG
GAAAGGGCTCCTTCAAATATGCCTGGGTCTTGGACAACTTAAAGCTGAACGTGAGCGTGGTATCACC
ATTGATATCTCCCTGTGGAAATTTGAGACCAGCAAGTACTATGTTACCATCATTGATGCCCCAGGACAC
AGAGACTTCATCAAAAAATGATTACAGGCACATCCAGCTGACTGTGCTGCCTGATCGTTGTGCTGGT
GTGGTGAATTTGAGGCGGGATCTTCAAAACGGGCAGACCCGCGAGCTGCCCTTTTGCTTAACTGGGG
TGAAAAAATAATTGTTGCGTACAAAAGGATTTCATGACCCCTATACCAGAGAAAAAGAAAAATGTTAG
AAGCAGACCTATTATAAAATGCTACACCCGCACAACTTTGCCCATTTGCTGATGGGCAAAGCTAACA
AGCTATATCCGGTAGGGGGGAAGACGAGGAGCAGCCGGACCCCGTTACTCGGTGT

25

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>'991015a-004.scf' came from CONTIG 3 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-004.scf"(51>626)

35

GCACGAGGGAGCTGCCGGGCCGCCAGAACACCGCTGGTTCCTGGCAACCCAGGAGAGCCAAACC
CTACTCGGGTGGTTGCAGCGAGAGCGGGCGCGATGGTGTCTAACCCAGTGCATGGCCTGCCCTTTCTC
CCAGGCACGTCTTTAAGGACTTAACGAAAACAGCATTTTCATAGAAGCCAGACTCTGGGCTACAGGAA
TGGCTACGCAGTTGTTTCGACGTCCAACAGTTGGGATTGGTGGGGACAGGCTCAAGGTCAACCAGCTGT
CCCAGGCTGATCTGGATGAGCTGGCCAGCAAGATCCCAATCCTCACGTATGGACAGGCCAGGCAGGCC
CCGCCTGCAGCGTTTGTTCCTGCACATGTGGCTTTCGACAAAAAGGGGCTTAAATTTGATGCCTATTTT
CAGAAGATGTTTCTATGTCATTTGAGAAAAATTACAGGATTCGCCAGTGACATTTATATTAAAAATG
AAGCTGCCGCATAGACCTGGCGGGAAAAATTGGGTACCTCAGGAAGTTATAAACCCAGGGCTTCCAAT
GACGGGGGACATACCTGAAGACTAAACGAAA

40

>'991015a-010.scf' came from CONTIG 4 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-010.scf"(44>590)

45

TTTTTTTGATTAAAAAGAAAAGCATAATTACCACAAATTACAAACGACTAAAGCAGGACTAGAATAA
TGAATGAATCACTTCAGCCTGAAAAGCAGATACTCTCAATAATATTAATGTTATAATACAAGCTCATTC
AAGTATTTTACATTTTTTTTCTTGTAATGTGATATCCTAGCACATGGTAAAGATAATGTACTATGA
GCATAAGGTGGAACCTTCTCCGCAAAGCCAGATGACAAGTTTTCTCTCCAGTCAGATGGGCGGATGT
TCTGATCTTCTGCTCTACCATCATGTGGCTGAAGAGAGGGGGGGGCTGGGGCAAACCTGGGACCCCT
ACACCACAAATACTGGGGGGCCCATCAGAAGGGGAACCAAACACCTATTAGGTTTTGGAAAAACAGC
CCCCCCTACTAGTGGTTTTTTGCCCTCCTCCCTGCAGGGCTTTGACAGTTTTTTTGAAATAACACAGA
AAGGGAAGAGAATAAATAACAAACAAATACACTTGAATGGGGCCTCCTGGCTTGACCAGGGGCAGCG
GG

50

55

>'991015a-012.scf' came from CONTIG 5 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-012.scf"(41>316)
TGCTGGGCCCGGAGCGGCAGCGGGTGCAGGGGGAGCTGCAGTCCCTGAGCCAGCGGCTACAGCAGGA
GTTTGTGCCCATGGCCGGAGGCGCAGGACCAGCTACAGCAGTTGGGGAGGAGTGTGGGGCTGCGTGA
CATGAGAACTTGTCCCTGGAAAATCTGGCCCAACCGAGAAGGCTTGTGGAAGCCGCTGGGCTTTTTTG
TTCAGATGTGTTCTGGGGGTGGGGGTGGCTGGTCTCTGACCTGGGTGGGTCAGGGGAGTGTGGG
GACGGT

>'991015a-013.scf' came from CONTIG 6 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-013.scf"(49>665)
GCACGAGGGGCCCTATGGCCAGTGCAAGCTGCTGCGCACGCACAACCTACCTGTACGCGGCTGCGAGT
GCAAGGCCGGATGGCGGGGCTGGGGCTGCACGGACAGTGCAGGACGCGCTCACCTACGGGTTCAGCT
GCTGTCCACACTACTGCTCTGCCTGAGCAACCTCATGTTTTTGCCACCCGTGGTCTGGCCATTTCGGAG
CCGATATGTGCTGGAAGCGGCAGTCTATACCTTCACCATGTTCTTCTCCACGTTCTACCATGCCTGTGA
CCAGCCTGGCATTGTGGTTTTCTGCATCATGGACTATGATGTGCTGCAGTTCTGTGACTTCCTGGGCTC
CTTATGTCCGGTGGGTGACTGTTATTGCCATGGCTCGCTTTACAGCCTGTGGCAAGCAAGTGTATATT
GCTGGGGCGATGCTGCTGGCATGGTTCTGAGCTTGACGGATGGACTCTGGACCTGTTGGACCGAGCTT
TTTGTCTGGGATTTGGCACAGCCGGAAGAACCAAGGCGCCGCGGGCTGTTCCCCCCCCAAGGGCGGTGG
TTTTTGCTGGCCGGCAGCCTCGAAGAGGCATCTGCGTTGTTGTGAGACGAAAACATTAATTAACATTG
A

>'991015a-015.scf' came from CONTIG 7 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-015.scf"(44>735)
TTCGGCACGAGGGAAGAATTTAGCTGCTGCGTATGACAACTTTGTTGAACTTGTGGCTAATTTGAAGG
AGGGCACAAAGTTTTACAATGAGCTGACTGAAATACTTGTTCAGGTTCCAGAACAAATGCAGTGATATA
GTGTTTGCACGGAAGACAGAAAGGGATGAACTCTTAAAGGACTTGCAACAAAGCATTGCCAGAGAAC
CTAGTGCTCCTTCAATCCCAACACCCACATACCAGTCTCTCCAGCTGGGGGGCAGCACCAACGCCA
CCAACTCCAGACCAAGAACCATGCGCGCTACTAAGCCCCAGCCCCAGCCGACCTCCACCTCCTGT
GCTGCCAGCAAATCGAACTCCTGCTTCAGCTCCGGCTGCAGCTCTAGCTCCAGCCCCGGCTCCGGCAG
GCTCTGGGACCACTGTACCAGCTCCATCACAGACNCCCGGGTCAGCTCCCCCTGCCTCAGGCCCAGGAC
CCCCGCACCCACCTTCCAGGGATCCCGGGATTTGCAATGCCATGCCCTGGGCTACATCCCTAGCGGAT
GGCAGATATATGCGGATCCACAGGATACAAAACCTGGCAGCTCCTACCCGACCCACACTCTACCTC
CTCACCCCCACACCTATTCCCAAAAAAAGCAGTAAAAACAATGTATTAAAGAAAAACAACCGCAA
AGACACCTTACTTG

>'991015a-022.scf' came from CONTIG 8 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-022.scf"(48>641)
GCACGAGGATCGTCTTTAAACCCTGCGTGGCAATCCCTGACGCACCGCCGTGATGCCCAGGGAAGACA
GGGCGACCTGGAAGTCCAACCTACTTCTTAAAGATCATCCAACCTTCTGGATGATTATCCAAAATGCTTCA
TTGTGGGAGCAGACAACGTGGGCTCCAAGCAGATGCAGCAGATCCGCATGTCCCTCCGCGGGAAGGC
TGTGGTGTGATGGGCAAGAACCGATGATGCGCAAGGCCATCCGAGGGCATCTGGAACAAACCCG
GCTCTGGAGAACTGTTGCCTCACATCCGGGGGAATGGGGGCTTCGTGTTACCAAGGAGGACCTCAT
GAGATCAGGACATGCTGCTGGCCAACAAGGGGCAGCTGCGGCCCGCTGTGGCCTAGGCCCGGGGAA
GGCACTGTGCCAGACAGACACTGGGCTGGGGCCGAGAGAACCTCTCTTACGCTTTTAGCTAACACAAA
AATTACAGGGCACAATGAATCTGATGAGGGCACTGATAAGAAGGAGAAAGAAGCGCAGCAGCAGCTG
TGACTGCGACATTCCCTCTCTTGGCTGGCTTCACAGGTTGAAGGAGAAAAAAA

>'991015a-025.scf' came from CONTIG 9 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-025.scf"(42>669)
TTTTTTTTTTTTTTTCAACAAACAACAAATATTTATTGAGCGCCTATTATGTGCCAGGCACTGTTCTAGAA
TCCCCCCCCAAAAAAGAAAAACAAGATAGATGCAGAAAATGCAAATTCTGAGGGAGAGGAAAGGGGT
CGTTGAGGAAGAAGGCTGAGGGGATTAAGGCTAAGGTGATAGGGACTTGGCCTTAGGCCTCCTCT
TCGGCCTCCTCACCGAAATCCTCTTCTCTTCTGCGGTGGCATCCTGGTACTGCTGGTACTCGGAGACG
AGGTCGTTTCATGTTGCTCTCAGCCTCGGTGAACTCCATCTCGTCCATGCCCTCACCTGTGTACCCAGTG
GAGGAAGGCCTTCCGGGGAACATGGCCGTGAACTGCTCCGAGATGCGCTTGAACAGCTCCTGGATGGT
GTGCTGTTGCCATGAAGGTGACTGCCATTTTATACCACGNGGGGGATGTCGCAACAGTTGTTTGACGT

GTGGGGTCCATTACGAAAACTGTGTTTTATCTGACGTGAGCTTGCTCTTTACTCCTCTTGGACTCGC
CCAGAACACAGCCCGGGAGACCGCCTGCGGGGCAAGGCGCTCTGTCTTGGTCGAAATGTGGGAGCC
AGACGGGGGCCGGA

5 >'991015a-028.scf' came from CONTIG 10 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
028.scf"(42>718)
CCGCTCCGGAGCTGCTGCCGCTCCTGCTCTCAGCGCTGCAGTGGAAGGCAGGGCCGCGCCGCGCCGCT
CCTTTTTGAAATATATAAAATTGGAGCCGGCCGGCCTCGGCGCGCCCTCTGACAGCGCGGGCCGCG
CCCCCTCCCGCCGGCGCGCCGCTGCCAGCCCCGGGACCTTTTCATCTCTTTCTTTTTGGGCGGAGGAG
10 GCGAGTTTAGATTCGCCACTCCGGACCCGAAATTGACACACTGAACTCCGTTTTCTTCTGCTAAATTAT
TTCTGCTTAATAGCCACTCGTTTTTTTTTCTGTCCCCCTCCCTCCATCTCGTTGCTTCAAGAAAACCT
TGGCGACTCCCTAAGTGCAGGTTTCCCTGGCCGGCGTGTTTTATTTTCATTTGGGGAACGAGTTGGTT
TTTTTTTGAAGAATTTAGATAGATACTTTTTTTTTTGGCCTTGATTGATTGTTGCAAAGTTTGATTTAA
TAAATTTACTGTTTGTGTTTGAAGTGTGGGTTTTTTTTTTTTTTTTTTTTTAAATAAAATTTTTACTTTAA
15 ATGTTATGTGGTGGGCGTTTTTTGTTTGGCGGGTTACTGTTCTTTCACCGTTGCCCTTCTGCAAGTGGGT
GGGGGCATTGATTTATTCCCCCAAAATCCCCCGGGTCCGGGTTCTCACA

>'991015a-029.scf' came from CONTIG 10 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
029.scf"(42>653)
20 CCGCTCCGGAGCTGCTGCCGCTCCTGCTCTCAGCGCTGCAGTGGAAGGCAGGGCCGCGCCGCGCCGCT
CCTTTTTGAAATATATAAAATGGAGCCGGCCGGCCTCGGCGCGCCCTCTGACAGCGCGGGCCGCGCCC
CTCCCGCCGGCGCGCCCGCTGCCAGCCCCGGGACCTTTTCATCTCTTTCTTTTGGGCGGAGGAGCCGA
GTTTCAGATTCGCCACTCCGCACCCGAAACTGACACACTGAACTTCGTTTCTCCTGCTAAATTTATTTT
25 TGCTAATAGCCACTCGTCTTTTTTTTCCGCCCCCTTCCCTCCCTTCGCTGCTCCAGAAAACCTTTT
GCCGACTTCCTCAGTGCAGGTTCCCTGCCCCGTGGTGGATTATATTTCACTTGGGAACGACGTGGGC
TTTTTTTTTGAAGGGATTCAAGCAAGATCTTTTTTTTGGCATTGGCTCTCGATGGTTGCAAAGTTGGC
ATTAATAAATATTCCTGTCTGGACTTGGGAGTGTGGGTTTTTTTTTTTTTTTTTTTTTTAAATAAA
AATTTTTTTCCCTTTAAAAAGCCTTTTGGGGTGGGGGGTTTTGGTCTGTTTGGTCGGG

30 >'991015a-030.scf' came from CONTIG 11 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
030.scf"(46>759)
GGCACGAGGGAGATGTTTCGAGCCCGGCCGATGCACCGCTGGGGGCGCTCGCGGCCATAACTACC
TGCAGACCCAGCGGCCGCGAGCTCCGCGAGGCCGCGCAGCGCTTCCGCGCTGGCAGGCCAGCGC
CCAGACTGGTTCGAACTGGAGAACCTCCGCTCAGCGGACGGCCGGGACCTCCCGTCCCTGGACGAGGA
35 GGCTTCGAGGAGGAGCCGCTGCCCGAAGAGGGATCGTCCGCGCAGGAGCCGCTGGTGGGGAGCCCA
CCTCCCGGGACCACTGCTGGTGGGAGCTGCTCCTCGCTGGAGAAGGAGGGGGCGGGCTGGGGCGGG
TGGAGCCCCAACCCCGGGCCCGGGGAGCCGGCAGCCCCAACGCTCCATACATGGTGGTCCGGGGGG
AAGTCCCTCGGGCTAGGAAGGGAGCCCGTCCACAGGAGTGGGAGCGGGCTGGCGGGTGGCCTAATG
AGGGAAAGAGCCTGCCGCTTTGGGAGCCAGGACCCGGGGAAAAGTCCTTTCTTTCGAGGGGGTCCG
40 ACCCACTGAACCAACTCAAAATGCACCCCGGGGGAAGGGGTGGGAGCGGAAGTTTTTCAGAC
CCCCACCCCAAAAAAAAAAAGAGGGGGGGGGGAGGGGGGGTCCCGCGGAAACGCACCCCT
GGTTTTATATAAAACCCCTGCCGGCCCTGGGCTCCCCCCCCCT

>'991015a-040.scf' came from CONTIG 12 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
040.scf"(47>728)
45 GCACGAGGGTTAGAAAAAGAATACATGATTCTAGAGTTGCTGGTTTTAACCTGCACTACAGTTAATC
CTGACGAGGACAGACAAAACCTTAAACAAAAAACTTGGCCAAAGCAAATAACTTCTTAAACAGTCAA
GATCTTGAGACTCTAGAGGATTTTGTACTAGTAGCCCAAGGAAGATGGAAAAATGACTCCTTTTTTA
AATCTGATTTCAGACTGTCACTGCTTTGGGAAACTGCTAAATTGTTGGATCTGCTTCCAGGGTCTATGCA
50 TCTCTTGTTCAGCATGAATTTAATTAGTAGTCCAAGCCAGACTGTTCTCTGGAACCTGACTAATCCAT
ATTTCTATGTTTTGGAATTAGCTTGCTCCTCTAAATACTCCACAGCCTAATATTGATGTTATTATGA
CAGGGAAGCCTGAGGAGAAGCCTATACTGTGTGGACTTTAATTATATTCTAGAATAACTTTTGGGGAA
AGCTCNCTGTAGCTGATTCTAGATTATCCAGAAAACAATTAACCTTTAATAAACTATTTGTCTAATCCC
CTCTATTATATCAGGATACTATTTAATATTAGATATTATTATTAACATCTATGGTTTTTGTATCTA
55 GGGGTTGATTTTACGTCCGCAAAAACCATAAAGCAACCATCATAAAAAAGCAAAGCCTTATCTG>'9910

GACGGACGTCCACGGGCTGATTGACAGGTCACTGCAGGCTTCAGAACCGTCACCAAAAGCCCAAGAC
CTGAAAGAGTTGGGCTGATTGGGGCTCCCCAACGGGGATGGCCTACCGC

>'991015a-061.scf' came from CONTIG 22 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
061.scf"(48>697)

GCACGAGGCTTTTTTTTTTTTTTGGTAAGGTTGAATGCACCTTTTGGTTTTTGGTCATGTTTCAGTTGGTCAA
AGATAAAACTAAGTTTGAGAGATGAATGCAAAGGAAAAAATATTTTCCAAAGTCCATGTGAAATT
GTCTCCCATTTTTTGGCTTTTCGGGGGTTTCAGTTTGGGTGTTTGTCTGTTTCCAGAGTCAGGGGCAAG
TGGGTTGGGTGGGAGGGAGCCAGGTTGGGTGGAAGGAGTTTACAGGAAGCAGGCAGGGCCAACGTC
GAAGCCGAATTCTGGTCTGGGGCGCCAACGTCCAAGGGGGCCACATCGATGATGGGCAAGCGGGAG
GTCTTGGTGGTTTTGTATTTTCGATCACTGTCTTGCCCCAGCTCCGGGGTGACTCGTGCAGCCATCGTAG
TGACGCTGTAGGTGAGCGGCTGTGCCCTCGCCCGATCTCGATCTCGTTGGAGCCCTGGAGAGCAGGCC
TCTTGAGGTGCAGTTGCTGGTCTGTAGCCAGCTTTTTCAGGTAGGGAGTTTGGGAGCTCGNGGAACA
GCGCAGAAGCAGTGGAGCAATCGAGATCGACCCGGCGCTACCGACGATCGCGCAGCTCGCGACAACC
GCTTTTTTGGTTTTTGTACCATTTTGCCCCCGCGGGG

>'991015a-069.scf' came from CONTIG 23 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
069.scf"(48>644)

GCACGAGGCTCTCGTGTAAGGACTGACTACCTGGACCGATCGCCTGACAGATCCCACCTGCCTGCCCA
CTGCCATGACTGAGCCCAGCCCCAGCCCGGTCCATTGCCAGCATTCTCTGTCTCCTCGTCGGTCTGTT
CCACCACCTTCAGGGTCTTGCTTTGTCCACTCGTGTGTGACCTTTAGTCTCTAGGCTTTACCAGAAGCA
GTCTGGGTTTCAGCCAGTCAGTGACTGGCGGGTTTGAATCTGCACCTTGTCCTCCACCATCTGGGGACTCCC
CTTTCCCCGTTGTTCAGGACTCCCCATGTGTGTCAGTGCTCTGCCCTCACCTGCCCAAGACTCACCCC
CCTTCCCCCTCTGCAGGCCGACGGCAGGAGGACAGTCGGGTGATGGTGTATTCTGCCCTGCGCATCCCA
CCCGAGGACTGAGGGAACCTTGNNNNGGACCTGNNNGCTGGGGTGCCCTCCTGATCTCCTCGCCCTG
TATTTTCTTCATCTNCAGNTCTGGACAGGCAGNGGGCCAGAAAAGGNACCTANTTACCATTGCGNGGA
GATGAGTCATGGAGGTCAAGGGAGACGACTCTGATTTCAGACCCCCCTC

>'991015a-077.scf' came from CONTIG 24 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
077.scf"(42>659)

TCGAGTTTAGGAG
CCCCATCAATAGAAAAAACATAAAGGAAAAGGCAAACCTACGACTACGAAAGGGCAGAATCAGGCA
GGGGCTTCAAAGCCGAAGGGGGGGGTAAAAATAAAAAGAAATTTAATGGGGGAAGAAGCAGACA
ATTAAGAAGGGGGACCCAAGGGGGACGGGGGGGCCGGGAAGCCGGGGGCTACAAAAAAGGGGAG
CCGAAAACCCCGCGGAGATAGGAAAAGGGGCTTCATAGTATTTTGAGGCTGGGAGGAGTGGGAAGG
AAACCCCTAAGGGATGGGGAAAAAAGGGGCTGGAATATAGCTTTCGGTCCCCTTCTATTAAACATGAG
GGGCCAGGAAAAAACTCCGGAGCCAAAGGACAGAGGGGGGGGCAGGGGGACTTCAGGGGGGGA
GGGGGGAAGCCCGGGGGGGGCAACCCCGCTAGTCGGGGGGGGGGGGGCTGGGGGGAAAAACAAAA
AACCGGAAAAAAACCTGGGAAAAAAATAATTCAAAAGGGGCTTTGGGCACGGGGGGGGGCCTG
GAGGGCTTCTGGT

>'991015a-086.scf' came from CONTIG 25 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
086.scf"(44>139)

TATTCGGCACGAGGGGAAAAAGTCATGTGATAAATACTCCTTTTGTCTATAACCAAGCCCCAACCA
GGACAAATTATGATATATACTGCAGGGG

>'991015a-087.scf' came from CONTIG 26 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-
087.scf"(44>525)

CGCTCTCAAGGGGCGGGCGGGGCTCCACTTGGGTGCTCCTAGAGCGGTGCCCGAAAGTGTGCACAGTC
TCGTCTGTGTGCGTGTGGATAATATCCTGTGTCTAGAAATCTGGCTTCATAAAACCATAGAATAAGTT
TCTGGTATGAANGGTCCCTTCTCTGTAGCTCTTCACTTGACGCCACAAGACCATAACCAAGTGGGAGT
TCGCTGATCGAAAAAGCACCTTCTTGGTAGAACCCGGGAAGGAACACCACGCTCGCCTGAGGGCCCTG
AAGGGTCTCCTCTATAAAGCGCTCACAGACTTGGTGTGCACCCCTGAAATGAACCAAGAATTGTGCGA
CTTGAACGGGGAGGTGTGGAGGGCCGGTTTGACTTCAGATTTCTCTGCTGCCGTGTTCTTCTGGAGGGG
GACCCCTTCCAAACCTCAGAACGACACACAAGGGGCGGCCTGCGAAGAACGCTGCGGAATGAAGCAT
CTCT

>'991015a-089.scf' came from CONTIG 27 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-089.scf"(50>609)

GCACGAGGATACAACAGCTTCCAGATGCACTTGGACAGCCAACAGTTTTTGAATGACCTCAGAAATGA
TATTGAGAAGAAAATAGGATTTGATGCTATTATGCGGGTTCGCACCAGCACAGTTTCAGAGCCACTG
ACTTCTTTGGGGGCATTTATATGAACAACACCACCGACGTAGAGATGGCAGCAATCGACTGTGACAAG
GCCGTGACCGTGGAGTTCAAGCATGATGACAAGCTCAGTGAAGACACTGGAGCCTTGATTCAAGTGTGC
CGTGCTCTACACAACCTGTCAGCGGTGAGAGACGACTTCGGATTCAACAACCTGGGCTTGAAGTGCAGCT
TCCAAGTGCAGGATCTGTATAAGAGCTGCGAGACAGATGCCCTCATCACTTTTTTTGCAAGGCAGCTTT
AAAGGCGTTTTTACCAACCTGAAGTCATTGGGAAATTTTGGTTACCAGACTGNACATGTTGGCTGTT
ACGGAGACTGGCTAGCCCTCGCACCGCCAGTGATTTGCGATTATAAGTCTGCGNGTACTGACTGTTG
TGAGACTGGTGTGT

>'991015a-095.scf' came from CONTIG 28 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-095.scf"(46>593)

TTCAGACAGCTGGTGCCGAAGTTTCAGGAACATCCTCCTCTCTCCAATCATGGCTTGTGGTCTGGTCGC
CAGCAACCCTGAATCTCAAACCTGGGGAGTGCCTCAGAGTGCAGGGGCGAGGTGGCCGCAGACGCCAA
GAGCTTCTTGCTGAACCTGGGCAAAGACGACAACAACCTGTGCCTCCACTTCAACCCTCGTTTCAACG
CGCATGGGGACGTCAACACCATCGTGTGTAACAGCAAGGACGCTGGGGCCTGGGGGGCCGAGCAAAG
GGAATCTGCCTTCCCCTTCCAGCTGGAAGTGTGCTGGAGGTATGCATCCTCTTAACCAGACGNACCTA
ACCATCAAGCTGCCTGAGGATACGAATTCAGTTCCCCAACCGCCTCACCTGGAGCCATCACTACCTGC
TGCANGTNGGACTCAGATCNGAGGGGTGGCTTTGAGGACTATGGCCAGCAGCCCTGGCCCCATAAG
GAGTGCCTGGCTCCCCTGAAAAAAAAAAAAAAAAAAAAAAAAAACTGAGGGGCCCCGACCCAT
CCCTTAAG

>'991015a-096.scf' came from CONTIG 29 at offset 0;"E:\SEQUENCE\export\EST_db\991015a\991015a-096.scf"(43>550)

TGGAATACACAGCTGGGGCGGTGATGGCGTGCCTAACGGTTGTTTGTCTACCTTTTGGGCCAAGG
GAGGGACGACGCCCCGTCAAGTATCCGCCCGCTTTCAGCCTTACTGCCTTTTATGCCACGGAGCCCCCG
AAGGGCCGAAAGCCGAGGGCCGCGGCCCTGGGCCCCCCGGCACCTGTGCAGCAGGCTTGCCTGAG
CCCGGGTTGGGCTGGCGGCTTCTTTCTGTGGGCTCCCGGTCCCGGTTCGGGTTTTTCAGGCCGCACCT
ACCGGCGGAGGAGGGATGGGGGACTTTGGGTGGCCCTTTTCCAGTGACGAGGTAGCTGACGATGGC
GTATGCCATATGTGGAAGGATGAACATCTTCCGAATTTACATTAAAGATTAAAGGATTGGTGGGA
GGGATTACGCGCCCCCTCATGTCCCCAGGAAGTGCCCCATATACATGGGGGCACCCCAACGGGAATCT
GGGGATGGCTGGAACCGGGCCCCCGGTGCTGGG

>'991108a-001.scf' came from CONTIG 1 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-001.scf"(58>663)

GCACGAGGGTTTAAAAGACCGAGTCCAGTATGGGGGGGGAAGTGAGAGGCAATGGAGAAAAGCCAG
AGGTCAGGAAGACAGCTCACGAGGAGGGAGGAGAGGTCTGCCTGAGCTCTGCAGATTCCTGGAGCAG
GGGGAATGGAGAGGCAGCCAGGGGACCCCTTATAAACAAAAGATGGCCAACACTGGTCAACACCACT
GGAAGGGAAAGCCCCGGGGAACACTCATCTTCACTTTCAAACATGGGTAGAAGACCATTTGTGAAAG
ATATTAAGAAGAACCGCTCAATCAAGGACATTACTAATATTACCATGTAGATGAATAAAAACAAACTG
AACAGATCTAATGGAGATCCTTGGCCTGGCTTTGAAGAGATGGTTTTAAATTCCGGGACACCATTCTC
CTGNACCCATACTCTCCAGTTAGGTTAGCTGAAAGGAAAAATGCCTCTCCTAGAAGGGAGGCATAACA
CAACCTGGCGGGCAGCAGAATTTCCCTGAAAAAAATTACATTGCTGTGCTAAAAATCACTTCTTTGTT
GTTCTCTCCAGCCCCCCCCGCCACGCCGTTTAAGGGGAGAAAAATGAAAAACAAAAATTAGCCTTT

>'991108a-002.scf' came from CONTIG 2 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-002.scf"(53>440)

ATTCCTTAGTCTTCTCATTTCTTGAATCATTTTCATTCTTCCTCAGCACTGCAGCATCCTTTGCAGCATTC
ATTAAGGGGTTTCCTTTAAATACAACAGAAAGAAAAAAATTCAAACAAAAATTGAGTTCTTTCAA
ATGAACCTAAGTACAGCTCATTATAGCTTCCCTCCAGTTGTTTGGGGGAAATTGACTCCAGGTATTTATA
AAACAACACCCATGGAAGCAAAAAAAGCTGAAGCTTGAGAGAACCTGATAAGGGAGAAGTTACAAA
AGTTATCAGAACAGCTTTTGGCCTTTTGCACCTGGGAAATTAAGAGCAATCCAGGGGGGTTGGGAGA
GGGCTGGATGGGACAAGGGCCCCACCTGGGGGGCACTGGCCAGGGG

GCACGAGGCCCAAGTGCAGGAGAAGCAGCACCCAGTGCCCCACCGACTCAAAACCAAACCAGGTG
CGCCCCGCTGGGGGCCCCGGGGGCTCTGACACTGAAAGAGGTGGAGGAGCTGGAGCAGCTGACGCA
GAAGCTGATGCAGGACATGGAGCATCTCAGAAGCAGAGTGTGCCCATCAACGAGT

5 >'991108a-058.scf' came from CONTIG 8 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
058.scf"(53>714)
GCACGAGGCCCAAGTGCAGGAGAAGCAGCACCCAGTGCCCCACCGACTCAAAACCAAACCAGGTG
CGCCCCGCTGGGGGCCCCGGGGGCTCTGACACTGTAAGAGGTGGAGGAGCTGGAGCAGCTGACGCA
CTGATGCAGGACATGGAGCATCTCAGAAGCAGAGTGTGCCCATCAACGAGTCCTGTGGCCGGTGTCA
10 TCAGCCCCTGGCAGGTTTCGACGCCCGCGGGTTCGCGCTCTGGGGCAGCTCTTCCACATCACCTGCTTCAC
CTGCCGCCAGTGTGAGCAGCAGCTCCAAGGCCAGCAGTTCTACAGCCTGGAGGGGGGCTCCGTACTGT
GAGGGCTGCTACACCGACACCCTGGAGAGTGCAGCACCTGTGGGCAGCCGATCACTGACCGCATGCTG
AGGGCCACAGGCAGNCCTACCACCCGCATGCTTCACCTGTGTGTCTGCGCTGCCCTGGAGGCACCT
CTTATTGTGGACAAGCCACCGCCCACTGGCCCCGACTACACAGCATACCCCCCAAAGCTTGGGCGCGG
15 ACCATATGCGACCTGCCGCGGGAGACGCGCGGGGCTTGACAGACTCCATAAGGTAAGGGCAGACGGG
GAGCCTTCATGAGGAGAACGCGTTTCTGTTGCCGTTGGGGAGCCACCCGAC

>'991108a-013.scf' came from CONTIG 9 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
013.scf"(55>115)
20 GCACGAGGCAACTGTCAGAGAAACATGATGGGGTGAAGGTGGGTGCTTTTTTATAAATCGT

>'991108a-014.scf' came from CONTIG 10 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
014.scf"(53>744)
25 GCACGAGGACCACACAGCCCCTCCTTTCTGATGGCTCTCAACTCTCCATCCCACAGACTCACACCT
CTGAGACCTGCAAAAGAAGCTCGCGGTTTCAGTCCCCAGGGGGGACCAGGGTTGTGGGGGGGACC
GTTGGATATGTTTGAAGCGGTACTCGTACCGGCTTCACATTTTGTGTCAACAATTTACTGTATTTTTT
TTTTTTTTTACTTTTCTGTACCACTTTTGTCTATAATTTATCAGAAGGTCCAAAAAGTTCGACATAACTA
TTTCAGTTTGCATTATTTATTTATGATGCTTTTGTCTTTTATACATTTGGGATTATAAATTATG
TAAATGTTAAATGAGCATCTCAAAGAAGTCTGTTAAATCATGGCCGGGGTGGGGGAAAAAATAAAA
30 AACAGTTTTATTTTTAAAAAGGGGGACCCAGTTTTAATGATCAAAGTTATAAATCAGAAATCCTGTA
ACCACTTCCTAAAAAAAGGACCACAAATAACCGATTTTTTTTATTACTCCTTGCCCAAGGGGCTCTATG
CGACACCCTTTTTTAAAAAGGCGCTCTTTTTTAACAACTCTGTTTCGCTTGCCCCGGGACCACAGGTTCTTC
GGTCTACCAAAATATTAATTTTTTCCAAAAACAACCCCTGTTTTTGACCTTACCTATTCTTTTTGCTGCC
A

>'991108a-015.scf' came from CONTIG 11 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
015.scf"(49>678)
TGGCTCCGCCACGAGCTCTGGGACCCGGGTCTGTGGCCGGCCCCCTCGCTGGCCCTGTCTCCCAGCGAC
GGGCAGCTACTGGGCCGGGGATTCTGAGCTTTGCTGCTCTCTTTGCACGTGACATGATGTCCCCCTC
40 CACAGCTCCTGGAGGACCGGCTGCTGCTGCTGCTCTTCTCTGTGGCAGTCAGAGAATCTTGGCAG
ACAGAAGAGAAAACATGCGACCTGGTGGGAGAAAAGGGTAAAGAATCAGAGAAAAGAGTTGGCTCTC
CTGAAGAGGCTGACACCGCTATTTAACAAAAGCTTTGAGAGCACCGTAGGCCAGAGCCCAGACATGT
ACAGCTATGTGTTCCGGGTGTGCCGAGAAGCTGGCAACCACTCCTCTGGGGCAGGCCTGGTGCAGATC
AACAAAAGTACGGGAAGAGACGGTAGTTGGGAAATTACGAAACTAAATCTCATGGAGGAATGGATC
45 AGCTGACTATAAAGGGGGATGAATAGACAACACGTGGCAGGAGCACGGGGCAGGGGAGATCTCCGC
ACGACCACCTACGACAATTTACCGGTTGAGACGACCAAAACCAAATGTTTACCTTTAAGAAGCGCCGGG
GGCCCAAACCCCCCTAGGGGT

>'991108a-016.scf' came from CONTIG 12 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
016.scf"(48>563)
50 TTTTTATATTAGTTTTGTAATCCCTACATTGGAAAGCTTTCCAAATTCTACTTGCATTTAAATAAACTG
TTGCAGTTTTTACTATTTATTTTGTTCCTATGGTTTAAAGAAAATAACTGCACAGTTTCAAAGGCATGG
AAAATTATATCAGCCTTTATGTACTCTGTTCCCAAATGGCAGGGTCTAGAGAAGAGCAGAATTCAG
CTTTAGAAAACATTCTAAGATTTACGCATGCAGTTNTGACATATCTGAAAATAAGACTTTTGTATATT
55 TGTGGTGGAGGNGGNTGGGGAAACTTTTACAAAATGNTNNATTTTTGTCAGTCTGTGGGCATTTACA
TATTTTTATTGCATTAGATTTGGTATTATGTGCACATTATATATTACTTCTTGTGTTGATTTGTGATTC

CCTATACTTGATTTTTTAGTAACTTTTTTATAAAGAACTGCTCTTTTTTTTAAATTGATTGCGCTCAGAT
GAGCCCGAGTCAAAAGCAACATCAATGACAT

>'991108a-017.scf' came from CONTIG 13 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
017.scf"(54>489)

GCACGAGGCTTAAACAGAAGACGGGCCCCAGGCATTGTTGAACTGTCTCGTGCCCTCTCCTTGGATCTT
GGATCTTGGTTTTCCTCGGTAGGAGTTTCTGTCCCAGAGGCATTGAGGTGCATTTTTTTTTCTCCTCCCG
TGAAGGAGGTTCCAAACCTATTCTGGTTTTTTTCTACCTTGTGTCATTGTATCTCTCCTTTCCTTGT
CTCTTTTATGTTTTTTTTTTCTTTTCTTTTTTGGTTGTTTGTCTTCTCCATCAGTGGGGACTGATTGTT
CCCCTTGCCGGCCAAATTTTGTCTTCCCTGTTTTGGCCAAATCCTAGGGGNGNAAAATCCTCGTAT
GCCAAAAATATATGCTGAGCATAAGTCATTCCACGTGGGTGTCCATCGCAGCCGAGAAGCTGCAGNG
GGGGCAGGGAGNNGGCGC

>'991108a-022.scf' came from CONTIG 14 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
022.scf"(54>474)

GCACGAGGGCGTGGTCCACGCCGAGCGATAGAGACGCCCTCGGCCGTGTCTTCAGGATGACGGAGTGG
GAAACAGCTGCACCTGCAGTAGCTGTAGACCCCCGACATTAAGCTTTTTGGAAAGTGGAGCACCGATG
ACGTGCAGATCAATGACATTTCTCTGCAGGATTACATTGCTGTCAAGTATAAGTATGCCAAGTACCTAC
CCCACAGCGCGGGCCGCTATGCGGTCAATCGCTTTCGTAAGGCACAGTGCCCCATTGTGGAGGGCCTC
ACCAACTCCATGTTGTTGCTTGGCCGGAACATTGTCTAGAAGCTTCATGACCGTGCGCATCGTCTAGCT
CGCCTTTTTTATCTTCCATTTTCTTACTTGTCTGATCTCCCTTTGTTCCCTGTTGATCGTCTTCTTAACTG
GTGCCCCGT

>'991108a-026.scf' came from CONTIG 15 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
026.scf"(48>461)

CGCCAGGACACAGGTGTCGTGAAAACACCGTTAAACCTAAACCAAATGGGAAAGGAGAAGACCCA
CATCAACATCGTTGTCAATTGGGGCACGTAGATTGAGGGGAAAGTCTACCACGACTGGCCATCTGATCT
ACAAATGTGGCGGGGATCGACAAGAGAACAATTGAAAAGGTGAGAAAGAGGCTGCCGAGATGGGA
AAGGGCTCCTTCAAATATGCCTGGGTCTTGGACAACTTAAAGCTGAACGTGAGCGCGGGGATCACCA
TTGATATTTCCCTGTGGAAATTTTGGAGACAACAAGACTATTTTCCATCATTGATTGCCCCAGACACA
CAGACTTCTTCTAAACATGATTATCAGCACATCCCAGCTGACTGTTGCTGTCTGCTCGGTTGGTGTG
TGTGTG

>'991108a-040.scf' came from CONTIG 16 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
040.scf"(54>397)

GCACGAGGCAGGACCTGAAGGATCACATGCGAGAAGGCTGGGGACGTCTGTTACGCAGATGTGCAGA
AAGATGGAATGGGGATGGTTGAGGTATCTCAAAAAGAAGACATGGAATATGCCCTGCGTAAACTGG
ATGAAACCAAATTCGCTCTCATGGAGGTGAAACATCCTACATCCGAGTTTATCCAGAGAGAAGCACC
AGCTATGGCTATTTACGTCTCGGTCTGGGGTGGAGGGGCCGGGACTTCTCCTCCAAAGCAAGGGGT
CCCACACCTCTTTTCTTCTTCTTACCTACTGAACAGNNGGTGGGGATTTTTTTTTTTTTTTTAGTGG
ACT

>'991108a-027.scf' came from CONTIG 16 at offset 317;"E:\SEQUENCE\export\EST_db\991108a\991108a-
027.scf"(52>486)

TTTTTTTTTTTTTTTTTTGTAGAGCCGGGAACCTTAGGGGCCACGAGAAGCGCACCAGCCACCGTTTCG
TTTTTTTTCATCACCGGATAACACCCGGGGAGGACCGAGGTTAATAGCTTGGTGAGCATGCATCTTTAA
CCAGGATCAACGGTNGACGGAACGATACCCACGATACTCCGGTGATAGATGGGGATGAGGACATT
ACCTTCTTAAAGAGGTACCATTTCTGACCCACTGTAAACCTTGATTAATTGCGGACCTGTGTTACA
GATGAGACACGATTTATTTCTGCCTTTGAACACTACTTGAGCTGATCCTTTCTTGTGTGGGGCGAGCA
GGTAGTACAATGCTCTGGGAAAGTGAAGGGTCTAGCATGCGTGTNGTGTGCTCTATTCTTCTCAATA
ATCTGAGTTTAGATATAGCGGGGC

>'991108a-031.scf' came from CONTIG 17 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
031.scf"(48>385)

CTGGTGTGAAGATCAATCCCAAGAACTACACTGATAATGAATTGGAAAAGATCACAAGGAGGTTTAC
CATGGAGCTGGCCAAGAAGGGCTTTATTGGCCCTGGCGTCGATGTGCCCGCCCCCGACATGAGCACCG

GCGAGCGGGAGATGTCCTGGATCGCCGACACCTACGCCAGCACCATAGGACACTATGATATTAATGCC
CACGCCTGTGTTACTGGTAAGCCCATCAGTCAGGGTGAATCCACGGACGGATCTCTGCTACCGGCCG
GGGAGTGTTCCATGGGATTGAAAACCTTCATCAATGAGGCTTCTTACATGAGTATTTTATGAATGACA

5 >'991108a-032.scf' came from CONTIG 18 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-032.scf"(53>555)

ACCTCATCTGACAAAAGATTAAATCTTGTCAGAATGAGGTGATAGATAAAATTAATCAAATGCGCG
TGATTTAAGACGCAATCTCACTTTGCAGGAACGAAAGCTCTGGCGATATCTTCGCAGCCGACGTTTA
GTGATTTCAAATTTGCGCGTCAACATCCAGTGGGGAGCTACATTCTCGATTTTGCTTGCTGCTCGGCGC
10 GTGTAGTCGTTGAGCTGGATGGTGGGCAGCATGATTTAACAGTTGCCTATGATTCCAGGCGCACTAGC
TGGCTTGAGTCGCAGGGCTGGACCGTGCTGCGTTTCTGGAATAACGAGATTGATTGTAATGAGGAGAC
GGNGCTGGAGATATTCTGCAGGAACCTGACCGCCGNCACCTCTCCCTGAAGAGCGAGGGGCAGACC
GAGCCGATAGCGNTGTGGGAAAACATGAGACGGGCTGGAGATATCGCAGGGCTGACCGCCACCACGC
CAGAAAGGTAGGGCGGTGAACGTTGTGT

15 >'991108a-033.scf' came from CONTIG 19 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-033.scf"(8>608)

GGCGTTAAATATGGATCCCCCGGCTGAGAATTCGCCGAGCGAAGCAAAAGAACCCTGTCTCCTAAGCT
AAGCCAAGCAAAGCTTGAAGCCAAGAAGCAGGTTGAAAGGTGTCCACAGCCACAAAAAAGAAG
20 ATCCGGACGTCGCCACCTTCCGGCGGCCCAAAACACTGCGGCTCAGGAGGCAGCCAAATACCCTCG
GAAGAGCGCGCCTAAGAGAAAACAACTTGACCACTATGCCATCATCAAATCCCCCTCACCACCGAGT
CAGCCATGAAGAAAATAGAAGACAACAACACTGGTATTTATTGTGGACGNCAAGGCCAACAAGCA
CCAATTAACAGGCTGTGAAGAACTCTTGACATTGACGTGGTTATGTCATACTTGATCAGCCTGATGG
AGAGAAAAGATATGTTGACGGGCTCTTCTATGATGCTGGATGTTGNNCACAATGCATATCTAACTGA
25 GTCATGCTATTNCAATTAAGTTTACTTTAAAAAATAAGGGGGCCGACCCATTTCGCC
TTGGAGTGATACATTACTGNCGGTTTCAGCGGATGGGAAAACCTGGTACCATTTCCTGAC

>'991108a-034.scf' came from CONTIG 20 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-034.scf"(54>619)

GCACGAGGGTGCAGTCTCTGAGTGGAGGGAGGGCCGACCAGCGTATCTCCGTCTCCCTGGGGAAAGG
30 TGCTGGTGAGGTGGACGACATGGCCTGGTGGAAAGCTTGGGTTGAACAAGAGGGCGTCTCAGTGAAG
GGCAGCCCCCACTTCAACCCACACCCTGACGCANAGACCCTCTACAAAGCCATGAAGGGGATTGGGA
CCAACGAGCAGGCCATCATCGACGTGCTCACGAAGAGAAGCAACGCACAGCGGCAGCAGATCGCCAA
GTCCTTCAAGCTCAGTTTGGCAGGATCTCATCGAGACCTTGAAAGCGAGCTGAGTGGGCAGTTGAGAG
35 GCTCATCATATCCTCATGTACCCCATACAGAACGAAGCCANGAGCTATATGATGCCATGAGGNCATA
GAACCAAGAGGGCATCATCNAATTCTGGCTCTCGGACCAGAACCACTCAGAGATATGAAGCATAACAG
AGACTATGGTCACCTGAAGAAACACAACAACACACGCTACTGAAGATCGNGGCCTCTGCGCACAAAG
ACTGAGTATGGGACAGATGCCCCGAAGC

40 >'991108a-035.scf' came from CONTIG 21 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-035.scf"(48>532)

TTTTACATGAAGCTACTCATATCAAGAGCAATAATCAGTCTTACAGCCAGACAGACTGTCAGTCCTCA
AACTTGACTGTAAGTACCTGACCATCTCCCTTTTCTCTCCAGACAATTGATGATTCCTTATTTTAATC
GAGGAGTGTCTGCTTTTCAACTACCCCTCCATGTCATACAAAACCCAACCATTTATAAACAATAGTTT
45 TATATCTAGGTTATTGCTTTTTGATAGCACATCCATGTGTATTACTTTCTTTTCTTTTCTTAACATC
TGAATGGAGTATTTTCGTGGAAAGCTACAGCTCTGTTCACTTTTTGCTTCTACACTTTGCAGATGCATG
GTATTANGCACTGCCTCTTTTACATCTCTGATCATAATGCAGAGATTTTCTTGTACACAAAGCAGAT
TATGATTCCTTCCACGAGGACACTTACTAGATGCTTGCTCGCCCGCCTATGTAGGATAGATCCATC

50 >'991108a-036.scf' came from CONTIG 22 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-036.scf"(48>649)

CGTCTGAAGATTTTCTATTGCTGTCAAGTGCCACCTCATTGGGCCATTACGCGCCAACTTGCAGGTTTA
CTCTTTGAGTTGGGATGTACCAATTCAGCCCTTCAGATATTTGAGAAGCTAGAAATGTGGGAAGATGT
TGTCATTTGCTATGAAAGAGCTGNGCAGCATGGGAAGGCAGAAAGAAATCCTGAGGCAAGAGCTGGAG
55 AAAAAGGAAACGCCAAGTCTATACTGCTTGCTCGGAGATGTCCTTCGAGACCACTCTTACTATGACCA
GGCCTGGGAGTTGTCTCGACCCGAGTGCTCGAGCCAGCGCTCCAAAGGCCTCCTCCACCTGCGAAA

CAATTTCAATTTCAAAATGTCTGAATGGTGCTATAATATATAAACTTCAACACTCTTCCAATAACACTG
CGTTACATTCTTTGAATCCTAGCCCATTTCAGAGCATGACGGNGCTTACCATTAATAATTACCTTTCTT
CTGAAACAGGCAAGCAAGAAATAGAAAAGACTTGCCTGTCAACTAACTACCCGGCAGAACTAAAGA
ATTCTTGAGGCCAAAAAGAAAATTGTACGAATGGCCAACTAAGTTCTAAAATTGTTTAAAAAA

5 >'991108a-045.scf' came from CONTIG 28 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-045.scf"(54>653)

GCACGAGGATACGGCGTTGTCTTGAATTCCTGCTGTAACCTAAAGGGAAGCTTTCACAATGTCCGGAG
CCCTTGATGTCCTGCAAATGAAGGAGGAGGATGTCCTCAAATTCCTTGCAGCAGGAACCCACTTATGT
10 GGCACCAACCTTGACTTCCAAATGGAACAGTACATCTACAAAAGGAAAAGTGATGGCATCTACATCAT
AAATCTGAAGAGGACGTGGGAGAAGCTTCTGTTGGCCGCTCGGGCCATTGTGCGCCATTGAAAACCCGG
CTGATGTCAGTGTCTATCCTCCAGGAATACTGGCCAGCGAGCTGTGCTGGAGTTTGCTGCTGCCACTG
GAGCCACTCTATCGCTGGCCGCTTCACTCNCGGAACCTTCACTACCANATCCAAGCCGCATCAAGGA
CCAAGCTTTGNGGTCACCCGATCCCAGGCTGACCACACCCCTCACGAAGCTTTACGGAAAAGTGGCACC
15 ATGCCCTGGCACACGACTCTCTTGGCTCGTGGCATGGCTCCGGCACACAGGACGCCTANGGGTGAGGG
GGAGCTGCCGGAGCCTGGCGGGCACATCTCGAACACCGGGAGCTGCGACTTCTTT

>'991108a-046.scf' came from CONTIG 29 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-046.scf"(54>638)

GCACGAGGCGCAGACTGGTTGCGCGCCTCTTTTTCTTCGCTGCCTCCCAGTTCTAGATTAACCGGCGCC
20 ATGGGTTTTGGAGACTTGAAAAGCCCCGCTGGCCTCCAGGTGCTCAACGACTACTTGGCGGACAAGAG
TTACATAGAGGGGTATGTGCCATCACAAGCAGATGTAGCAGTGTGTTGAAGCCGTCTCCGGCCCCACCAC
CTGCCGACTTGTTGTCATGCCCTCCGTTGGTATAATCATATCAAATCCTATGAGAAGGAAAAGGCCAGC
CTGCCAGGAGTGAAGAAAGCTTTGGGCAAGTATGGCCCTGCTTATGGGGGAGACACCACAGAAAAGTG
25 GAGCTACAGATAGTAAAGATGATGACGACATTGATCTTTTGGATCTGATGATGAAGAGAAAGNAG
AANNCAAGAGATAAGAAAATACGCCTTGCCAGATGAGTAAAGAAAGCAAAAACCACTTGTGCGCAA
GTCTCCTCTTATTTACAGAACTGGATGAGAGACGAATGCAAACCTAAGAGGGGCAGACATCAAGCAA
GCTGGGCGGGCTCTTTACAATCGGTGGTGCATAAAAAACAAACAG

30 >'991108a-047.scf' came from CONTIG 30 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-047.scf"(48>612)

CAGTGACCCAACTGCGGCAGATGCTGGAGAATCAGAAGAACTCCTCTGTGCCCCCTGGCTGAGCATTT
GCAGGGTAAAGAAGCATTTGAGAAAAAAGTTGGGAATCATTAAAAGCTAGCTTGAGAGAAAAGGAAA
GAGAAAGCCAAAAACAAACTGAAGAAGTCTTCCAACCTCCATCTGAGATTCAAAAACTTAAACAAG
35 CCGTTAAAAAATTAAAGACTCGGGAGGTGGGTGATTTGTGCGAAATATAAAGCAACGAAAAGCGNATT
GGAGACACAGATTTTCGACTTTATACGAAAATTGGCCAATCTGATAGGAAGTATGAGGAAGTATGGAG
GAGGGTTTTTCATGCCCAAAAAGAAGAACTGTCTGCTAAGATGAGAAGAATTGCTCCATTTACATAN
AGCAAGAAACAAAGATCAGCAGAACGATGTGACAATCCTTCACACCATCACGAGCTACAAAAAATA
CAGATCTGCCAACAAATCAAACAAANAATAAATACTGACGCTCAGAGTGAGAGATAAACGGCTCATGC
40 CTTCCACTCCCATGAAGGAGCCACAG

>'991108a-049.scf' came from CONTIG 31 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-049.scf"(54>370)

GCACGAGGGGAAAGATCCTGCACATTGACTTTGGGGGACTGCTTTGAGGTTGCTATGACCCAGAGAGAA
45 ATTCCCAGAGAAAATTCCATTTAGNACTAACANGAATGCTGACCAATGCTATGGGAGGTCACGGGGC
CTTGATGGCAACTACAGGATCACGTGCCACACCGCGATGGGAGGTGCTCCGGGAGCACAAGGACAGC
GGCATGGGCGCGCTGGGAGCCTTCGTCTATGACCCCTGCTGGACTGGAGGGTGGAGGGGCACCAATAC
CAAAGGGAACAAGCGATCACGGACGAAGACAGAATCCTACTCTGCT

50 >'991108a-050.scf' came from CONTIG 32 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-050.scf"(48>566)

GTCGTGGGCTCACACCCGGCTTCTCTTCAGCCTTAACCTGTGCGCCGCCATCGCCGTCATGCTAGGCGC
CGCTGTCCGCCGCTGCTCTGTAGCTGCAGCCGAGTCGCCCGGGCCAGCCCTCGAGGCCTCCTGCACC
CCTCCGGCCCCCGGCCAAGCCGCCGCTGTCCAGTCACTTCGCTGCTACTCCCATGGGTACATGAG
55 ACAGACGAAGAGTTTGATGCTCGTGGGTGACATACTTCAATAAGCCAGATATTGATGCTGGGGATTGC
GGTAAGGGATGAACACACTGNNTGCTTGANCTGGNTCCAGAGCCAAAAATCATGATGCTGCTTGCGGC

ATGCGAACGTTTAAATGATTTGTAGNGCAGTCGCATCTAAAAGTGGTAAGACAAAACAGAACTATAAG
AATCTACCCTTGTATTGAGAACTATACAACTTGATGACTGGAATTCAGTCAAGAACGGCCTGAAAGGT
AACCCAGATGACTCCAGACTATGAATGTATGATTAATAACGAA

5 >'991108a-051.scf' came from CONTIG 33 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-051.scf"(48>407)

CTCTTTTGAGTGCACCGTGAGTGATGTGTGTCATGCCTCTGGGGTGGAGGGAAGGGACCGACACAGAC
GTACACTCCCACACTCCACCTGGTGAAAAAGGATGCCTGGACGAAGGTGGGTTCGGACCTTGGTCCTT
GTGTGTGTAATGCCTTTGTGTCTGATACCAATGTATGGGCGGTTTCCAGCTGATATGGGTCCTGCCTCC
10 CCTACCTTCCAACCCCACTACACGCTGTACCCAGTATGACCCCTCTTTCCTAATGCCATGGAATG
TGGGATNTCGGGCACCCACACTGTCCGCACGCCTCTTCTATTCGCACTGTTGCCTCTCCTCAACCATTA
ATCCTAACGGCCACATG

>'991108a-052.scf' came from CONTIG 34 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-052.scf"(54>747)

15 GCACGAGGGCTGACTATTCTCAACCAACCATAAAGATATTGGGTACCCTTTATCTACTATCTTGGCGCT
TGGGCCCCGCATAGCAAGAAACAGGTTCTTTAGCCCTTTGTAATTTTCGGCGCTTGAATTAGGCCACCC
CGGAACCTCTGCTGGGGAGACGACCCAAATCTACAACGGAGGTTGGAACCGCACACGCATTTGTAATA
ATCTTTCTTCATAGTAATACCAATCATAATTGGAGGATTCGGTAACCTGACTTGTTCCTTAAATTAATT
20 GTTGCTCCCGATATAGCATTTCCTCGAATAAATAATTATAAGCTTCTGACTCCTCCCTCCCTCATTCCTA
CTACTTCCTCGCCTCCTCTTGTGTAAGGTGGGGCAGGAACAGGCTGAACCGTGTTCCTCCTTACA
GGCAACCTTCCCAGCGGGAGCTTCTGTAAATTTACCTTTTTTCTTACCCTTTACAGGAGTTTCTCAT
TTTTAGGACCTCACTTCTTTCATCATTTTAACATAAGCCCCCGCAGTAACATAACCAACCCCTGTGGTT
GTTCTGATATTCCGCGGTCTTTTCTTTTGTCTGTTTTCAGCGGTTCTAGTTCTTACGACGAACCAATA
25 CCCCTTCGCCGGGGAGGGAACCTTTTTCTCCCTTCTTCTGCGACCCGACTTTTTATCTCCGGCCGGG

>'991108a-081.scf' came from CONTIG 34 at offset 10;"E:\SEQUENCE\export\EST_db\991108a\991108a-081.scf"(47>736)

30 TGACTATTCTCAACCAACCATAAAGATATTGGGTACCCTTTATCTACTATTTGGTGCTTGGGCCGATATA
GTAGGAACAGCTCTAAGCCTTCTAATTCGCGCTGAATTAGGCCAACCCGGAACCTGCTCGGAGACGA
CCAAATCTACAACGTAGTTGTAACCGCACACGCATTTGTAATAATCTTCTTCATAGTAATACCAATCAT
AATTGGAGGATTCGGTAACCTGACTTGTTCCTTAAATAATTGGTGCTCCCGATATAGCATTTCCTCGAAT
AAATAATATAAGCTTCTGACTCCTCCCTCCCTCATTCCTTACTACTCCTCGCATCCTCTATAGTTGAAGC
35 TGGGGCAGGAACAGGCTGAACCGTGTACCCTCCCTTATCAGCCAACCTAGCCATGCAGGAGCTTTAGA
GATCTAACCATTTTTCTTTAACTTAGCAGTAGTTTCTCATTTTTTAGGAGCCATCAACTATTAAAAAA
TTTTAAATTACAGCCCCCGCAAGCCACAATACCACACCCTTCGGTTGTTGAATCCGTATAATTACGGCG
TCCTCTAATATTTGCTTCTGTTTTACAGTCGCTTACAGTCTTTAACGACCGAACTTAATCAACCTTTT
GCCCGCGTGGGGGAACCTTTTTTTTTTACCTTATTTGTTTTGGCCCCCGTATCTTTTTATTAAACGGT

40 >'991108a-054.scf' came from CONTIG 35 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-054.scf"(47>642)

TCAGGACAGCTACTGTAACCTCCATCCTGAGGCTCATGTACGCATCTTTTCCTGAGACTCAAAACAACA
AAACAGGGACTTAGATTTGGAACTGACTTGGTCTGATGAACCAGACCTGTCTGAGCCTGCATGCCAG
45 GAGCTGATCAGCTCCTCTGACTTGCAAACTAAGTTTGTCTTTTCTTATAAGATGTGTGATCCCTGC
AGTCTCTAATCCCCAGATGGAGGCCCCACTCAGGTTATCATCATCTTCAGATGGGGCTTCCCAGGTGAC
GCTAGTGGTAAAGAACCGCTGCCAATGCAGGAGACGTAAGAGACATGAGTTCAATCCCTGGCTGG
ANAAGATCCCCTGGAGAAGGAAATGGNCACCCATTCCAGTATTCTTNCCTGGAAAATCCATGGACATA
NGAGCCTGGGGGCGCAGATGGGAGATGACGNAGTGAATAACATAGCAGNCAGAATGGCAGGCATATT
ACTATACACAAANGCTCAATGGNGAACACTGTCTGAACCTTCTCTGCTTGTATACACAGAATCATATAT
50 ACCACACACCCATTTACGAGAAAAGTGATTTATCCAGACCCGACACCGCTC

>'991108a-057.scf' came from CONTIG 36 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-057.scf"(53>131)

55 GCACGAGGAGCCGCTTCATTCTGCCCATCGGTGCCACGGTCAACATGGACGGTGCCGCCCTCTTCCAG
TGTGTGGCTGC

CTAATGCAGAGAGGGAAAGCAATTTCCGCCGCCATGATTGTTGTGAGACTCCAGAGTGCTGGACTCTA
GGATTCTAAAAATGGGGGGCCTACGGGGGGGGGCGGACCAACC

>'991108a-067.scf' came from CONTIG 43 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
067.scf"(53>641)

GCACGAGGTGTTGCGCCACTTGCGCCCTGGGCAAGGGATGCCCTGTGGGGTGTACACCCCCGCTGCG
GCTCCGGCCTGCGCTGCTACCCGCCCGGGGCGTGGAGAAGCCCTGCACACGCTGGTGCACGGACAAG
GCGTGTGCATGGAGCTGGCAGAGATCGAGGCCATCCAGGAAAGCCTGCAGCCCTCTGACAAGGACGA
GGGCGACCACCCCAACAACAGCTTCAGCCCCTGCAGCGCCACGACCGCAAGTGCCTGCAGAAGCAC
TTGGCCAAAATTGAGACCGGAGCACCAGTGGGGGCAAGATGAAGGTCATCGGNGCGCCCCGAGAGG
AAGCCCGGCCTGTGCCCCAGGGCTCCTGCCAGAGTGAGCTGCACCGGGCGCTGGAGCGGCTGGCCGCG
TCACAGAGCCGCACCCACGAAGAACCTTACATCATTCCCATCCCCACTGCGACCGCAACGCAACTTCC
ACCCAGCAGGCCACCGCCCTGGATGGCAGNGCGGCAGGCTGGGGGNGGGACGGAGACGGAGGGA
AGCTTCGGGGCTGGAGCGAAGGGGAGCGAACTGCACAGTGCTGACACTT

>'991108a-069.scf' came from CONTIG 44 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
069.scf"(47>434)

CTCCCATGCTCCCTCTTTTGGCAAACCTGTAAGTACTGTCTCAGCAAACAGCGATAATTTACAATTTCC
TCTCTAGAATTGCTGAGAGACTTGAGTCACCAAACGTGGTTCACTACTGTGGAAATGCATTGTTTCA
ACACAGAAAGAAATTTAAGATTTCTGCTTTTCTGTGACAGTATTTGTTTCCGCCTCAGTTCAGAGTGTG
AACTGCAGGTTCTTGGCAAGACTGCTATTTAACATTGCATGTGAGAACCTGGTAAATAGGCAGAAAAT
CTTGAGCTTGAAAGGAACCTCAGAATGATTCATATGGTCATTTCATTAGATTGGGACCTTTAAGGGAT
CTCTTTCAGCCTCTCTCAGTGCAGAAATCAGGACAGGGGTGCTTGG

>'991108a-070.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
070.scf"(53>606)

GCACGAGGGTGGTCTGTTTGTCTTCTTGGCTAAGATTAGGACAAAGAACATATGAAATCAACAGAA
AATATACCTTGGTACCACCAACCATTTTATGCCACATGCAAGTTTTGAATAAGAATGGTATAGAAAA
TAATTGCTACATATGTATGTACCAATTAGGAAATACTGATGCCCTTGTGGGCACAGAACCACATGAC
AAAACCTTTGAAAATCATAAAAATATAAGATAGTGTGGCTGAGATGGAAACAGGCCTTATTCTTGAATC
CCAATTTTCATCTCTCCTTTTCTTATTTGGATTCTTTGGTGCTGTAGGAAAAAAAAAAAAAAAAAGAGAGAA
AAATATATATTCATAAAAAGATATGGNGCTCATTCCCATCCATCAAGGATGTGCTAAAACAATGTGTTT
AATAAATTGTAATTTTATGTACAGGTCTATACTGTTATCTATGTGTCCATTTTCAAACTGCACGTGTCT
CTGAATTCATCTGACTCTATTTTTGACATTGCAGAAAATGATGGCATAAAATATGTATATGAAAAAAT
AAACGTT

>'991108a-072.scf' came from CONTIG 46 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
072.scf"(53>612)

GCACGAGGCTGGAGCATAAGAACAGTGCTTATTTTCTTCTTTTCCAAGAGAACAGAAAGAAATAATGA
AGCATTGGATGATTTAAAAATCCAGAAAGAAAAAATACTTGAAGAAGTCATGGAAAAAGAACTTAT
AAAACAGCTAAATTAATTCTTGAAAGGTTTGATCCAGATTCAAAGAAAGCAAAGGAGTTTGAGCCACC
GTCTGCTGGAGCAACTGTAACCTCCAGACCTGGACAAGAATTCGTCAGCGAACTGCCGCTCAAGAAAC
CTTCTCCACACCAGCAGGCTCCAGCCAGGCCCTCCTCTGCAATTCCAGTTTCTCCTGGACACCAAGGA
CACTTCAGCCCCTGGTGGACCCCCAGAAGACTGNTACTCAGCCTATATCAATGTGGTACAAGACGTNT
GGACCCCTGCTCTCAGNGCTGGATGGGNCTCTCCTCTGGGCACCTTACAGACCATCTGCTCGAGACAG
NGCTCTGATAATGTGATATTATGNGAGGCCAAAAGNACCCCTATGCNACAGTTTTTACATGCTGTTT
GAAGAAATGAACATG

>'991108a-074.scf' came from CONTIG 47 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
074.scf"(47>565)

CAAATTGAGATTTGCCAATGGAAGCATAAGAACATCGGAACTGCGACTCAACATGCAGAAGTCGATG
CAGAGCCATGCCGCGGTGTTCCGTGTGGGGAGTGTGCTGCAGGAAGGCTGTGAGAAGATCAGCAGCC
TCTACGGAGACCTGCGGCATCTGAAGACGTTTCGACAGGGGAATGGTCTGGAACACTGACCTGGTGA
GACCCTGGAGCTGCAGAACCTGATGCTTTGTGCTCTGCAGACCATTCTACGAGCGGGAGCCCCGGAAGG
GAGTCGCGCGGCGCCACGCCAGGAGGACTTTCAGAGAGGTTGACGAGTACGATTACTCCAGCCCATC
CAGGGNCAGCAGAAGAACCCTTTGAGCACACTGGAGGAGCACACCTCTCTACGTTGACATCAAGATG

GAAAGNCACCTGGAGTACAGACTGTATCGAAGAACTTGACGAGATGACTGCGCACTNTCCCCACCTNC
GCTCTATGAGAGATGAGCTTCCTGTCTGTATTGATATACTCAAGCGG

>'991108a-079.scf' came from CONTIG 48 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
079.scf"(53>531)

GCACGAGGCCAGATACCGCCCCGGGCCCCCATCATTTGCTGTGACTCGGAATCACCAGACAGCTCGCC
AGGCCACCTATAACGCGGCATCTTCCCTGTGGTGTGTAAGGACCCAGTGCAGGAGGCCTGGGCTGAG
GACGTGGATCTCCGGGTGAACTTGGCCATGAATGTTGGAAAGGCCCGAGGCTTCTTCAAGAAGGGAG
ACGTGGTCATTGTGCTGACCGGGGGGCGCCCTGGCTCCGGCTTACCAACACCATGCGTGTAGTTCCT
GTGCCATGATGGACTCCGAAGCCCCTCTCCAGCCCCTGTCCCACCCCTCTTCCCCAACCATCCGTTAG
GCCAGCATTGCTTGTAGTGCTCACTTGGGGCTGTAATGGGGCCTGTGGGGCGGGACACCAGGAAAAAA
GAGAAAACCTTCTGGAAACCGGCGGTTTTAACTTTGCTGGGCCGGGTAGCTACACCTGGGCCCTCTC
ACG

>'991108a-080.scf' came from CONTIG 49 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
080.scf"(53>448)

GCACGAGGGGAAGCGAGGCCGGAGCTGCGGGCGCTTTTTCTGCCCCGGGTGTCTCAGATTCATTCTTA
AGGAACTGAGAACTTAATCTTCCAAAATGTGCAAAAAGACCATCTTATGCCCCACCTCCCACCCCAGC
TCCTGCAACACAAATGCCAGCACACCAAGGTTTGTGGGATACAATCCATACAGTCATCTCGCCTACA
ACAACTACAGGCTGGGAGGGAACCCGGGCACCAACAGCCNNGGTACGGCGTCCTCTGTTATCACGATT
TCAAAAACCCCCAAGCCACCAGATAAGCCGCTGATGCCCTACATGAGTACAGCAGAAAGGNCTGGAC
CAAATAAAGGCTTCCACCCTGACTANAGTGTGGGAAATGGGGAGATATTGGGGGNAT

>'991108a-082.scf' came from CONTIG 50 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
082.scf"(53>377)

GCACGAGGGTTTGCCTCAGGTCCACGTGGCTCTGAGAAGGGTTCAGGCATCCGAGCTGTGGGGAGCC
CTGGGTGAAGCTGGTTGTCCAGCGGTTTTCAGCCTCCTTGGAGGAAGCCCTCTGCCCCCCACTCCAGAG
CGTGAGAGTGTGGGGGCGTGGCCAGGGAAGGTGCCTGGGAGGACGCAGTGACCACGCTCCCCTGGCA
CCACGCAGAAGTGGACGAGAAGCCAGCCACACCCANGCCTCCTGGCTGTGCCCTGCGGCTGCTGC
ATTTGCTTTTAATTCTCAACACTGGAAAATACTGACTTTGGGTTGGGCGGGGCC

>'991108a-083.scf' came from CONTIG 51 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
083.scf"(21>581)

TTCTAGGTGGATCCCCCGGTGGTGGGGGTTGTGATGTGACATCTGTTTTTATACCCTGTGCTGGGCAT
TCGCGGTGGACGCCACACGCCCCTGATGGCCGACATGAGGATAGACCAGGGCCGTAACCCCTGCCTA
AGTCCACACCTCTACCTTGCCTTTTATGTAGTTCTTTGCATTCTTTGTGGTGGTTGATGTTATTCCATTT
ATTGTGCTTTTCAATTTGGTTGGGGATGCCTGATCATTCCGGGGGGGGGCTTTCATACGCAGGATTGGCCT
GCTTGAATTCCCGTCATTGGTTGCCCTTCCCCTGGGGCGTAATGGCCTGGCGGGGGGGCGTGTATGTG
GCCAAATGATACACCGACCGAATGGCCGCCACGGGCTCATGTCCGCAGGAGGCCCTTGTGGTGATATAT
CTAACCCCCCGGGCTCTCTGGGATGAAAACCTATTTTGCCCTTCAACACTCCCAGGGGGGCTAAATGTTT
GGGCCTTTTCGGTGTCTCAACACAGGGATGGCTACCCTTCACTGGTCAATATTCATTGTGTACACTGC
CTCGTTTGC

>'991108a-084.scf' came from CONTIG 52 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
084.scf"(53>540)

GCACGAGGGTTTGGCCCAGACCCAACCATGATCCGAGCCAACCTGCCTGGTCCAGACCACAGAGTGGA
GTGCCTGTTCCAAGACCTGCGGAATGGGCATCTCCACCCGGGTACCAATGANACGCATTCTGCAGG
CTGGAGAAGCAGAGCCGCCTCTGCATGGTCAGGCCTTGCAGAGCTGACCTGGAGGAGAACATTAAGA
AAGCAAAAAGTGCATCCGGACCCCCAAAATCTCCAAGCCTATTGAGTTTGTAGCTTTCTGGCTGCACCA
GCATGAAGACATACCGAGCTAAATTCTCGGGAGGTGGCACAGACGGCGGGGCTGCACCCCCACAGA
ACCACCACCTTNCCTGGAGTCAAGTGTCTGTGNNAGGTCATGAAGAAGAGATGATGTTTCATCAGA
CCTGTGCCTGCTTACACTGCCCCGGGACATGACATCTCGGTCTGTCTACAGAGATGTATGAGACAT
GGCTAAGCCGAACA

>'991108a-085.scf' came from CONTIG 53 at offset 0;"E:\SEQUENCE\export\EST_db\991108a\991108a-
085.scf"(47>641)

GACCTACTGAATCACCGCTGAACCAAAATTTNAGAGTTTTATGAAAAAACCCGCCCTCCAAAAACCCC
CCAGAACCT

>'991115a2-032.scf' came from CONTIG 23 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
032.scf"(83>484)

GCACGAGGCAGTCCCTAATTGAGGAACTAAGATCCTACAAACTGTGGGGTGAGGCCTAAGAAAAAAA
AGAAAAAAAATGGGTGGTCAAGGAGGGCCCTTTCTGAGGGAGTGACATTTACGCAGAGATGTGAAC
AAAGTGAGGGTTTTTCTGTTGAGGAAACACTTGCCAGGCACAAGTGTGATCATGCTTAACATGTTTCGCTA
GCAAGGACTGTAGGGGAATATTTATGAGGAACGCATGTGCCACAAGAACAGAGATCCTGTTACCTAT
AATGCCTTGAGCAGACCTGGCATGTACCCTCAACAATACTTGTGAATGAATGGATGGGCAGATAGAT
GGATTTTAATGAATGAGCAATAATGATACATTCTCCCAATAACCTGGAGCCAGAAGAGAGGAGA

>'991115a2-033.scf' came from CONTIG 24 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
033.scf"(76>595)

CTCACCTGCCACCTATGGGCCACCTGAAGCAGTGCCACGGCCAGGAGGAAGCTGGCAGGCGCAAATT
GTGGTCAGCCCCTGCTGGGCTGCTGCGGGGGACAGGTCTCGCCTCTGCTGAGTCCGCTGAAAGCCC
CAGACTCCCTGCCCCAGGGGACTCCACTGGCAGCCAGCCTCTCTGCAGCCTCCCTAACACCCTTATGTG
TCTCAAAGAGGGGAAGTGCCCTCTGTTCAATGCCCCCAGCCATGCCAGAGCTCAAGCCAAGCTCCT
GCAGGGACTGGCGTGCCCTCCCCAGGCCCCACGTGCATGGACGCTTCCTTAGTGCGTGCCCGCTCCTTG
CTGAAGGCTACAGAGAAGAGGGGNCCTAATCAGGCCTGGTGAATGCCTGCCCTGGAAGCCGCCAGG
CTGCAGAGTTCCAGAGACTCTGGGACTTTGAGAGAAGNTTCAAACCCAGCCTACAGGGACGACGCCC
CACTCCTTGCTGGCCCGGCTCACCTCCCAGGAGGGGGCTCCGG

>'991115a2-034.scf' came from CONTIG 25 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
034.scf"(75>554)

TGGACGCACTCGGGAATTGTAGAAGGACGAGGCTCAGCTCTTGCCAGGCCGACTTGAGACATGTCTGA
CACAAGCAGAGATGGTACGGGTCCAACCCGCTTTCAGGCTGAAGCTTCAGAAGAGGACCCTGGCTTGA
AGATGCAGACCGGACTGACAGGGACCCAGAACTTAAAGGCCTCAGAAACACCGAAAGGCTCAAAGAC
ACCAGAGGGCTCAAAGGCCACGAAGATCTCAAATGCTGCAGGCGTCTCAAAGGCCACTGAAGCTCAG
GAGGTATCTGCCACTCAGGCTTCACCTACCTAACTGACCGATACCCAGTTTCTAGCAACCAAAAAG
AAGAGTCTGGCAGTTGACACCAATGCAGCATACTGACCTTAGGCTGTGAAATGCCTGGTTATGAAA
CCAAAAGGTAGTTTGGGTTGATACCAAGGTCATACAAAACCTGGAAATGAATTTACTGCTTTAGCTT
TGGCGA

>'991115a2-035.scf' came from CONTIG 26 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
035.scf"(82>672)

GCACGAGGAGAGAACTGCCACAGGGGATTTGCACGGGTAAGTGCTATATATGTGAGGTACCTACATG
GCTGAATAAAACCAATTGTATGAAATCATTTATGCAAAATGGAAAGGGTGATTGGGGTGAAAATCTGA
AGGAGAGATTGCTCGCTGTAAGCAGTCTATCTGCGATCCCAGCTATGTGAAAGATCGAGAAGAATAA
GTGGGCCAGGTGATCAGAGTCATCTGTATTCTCAGCCACCCCATCAAAACACCAATGACGCCCCACTC
CTGCCAGATCATTATTCCACAGACCCAAGTCAACCGGAAGTCAGATATCTACGTCTGCATGATCTCCTC
TGCACACATGTGGCCGAACAGGCAGAACATCGCCATTGCCACACAAAGGNGGAACCAAGAGGCCGAA
AGGAAACAAACAACCTGGGCTTTTGGACCAATGAACAGAATTCGTAGATCAGGACCTCCTGACCAAA
GATGGGAAAAAAGCAAACCTTTTTCGCACTTAAGCAGATCCTTTAAACACTGGAGACATAGAATTATAA
GAAGAGGACCGNTGCTGGAAAGAAGAAAAAAGAAAAAGGGAAAAAAAGAC

>'991115a2-036.scf' came from CONTIG 27 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
036.scf"(83>509)

GCACGAGGGCCAAGCCCTCCTCCAGGGGATCTTCCCAATCCAGGGATCAAACCAGGTCTCCTGCATTG
CAGGCGTTTTCTTTACTGGCTGAGCAGGTGGGAGAAAATAAACACAAAGATTACTGAATGGCCACATA
GGCTAAGAAATGAAATAGGTGTAGTGGGGCGGAGCGGGGCATAAAAATACACGGTGCCCGGGTTTTG
GTCACTTAGTGAGGTGCAACGGGCAGTCACTGGGCAAGATCCTGGGGTCACAGCGGGAAAGCGGGG
TCCCTGCTCTCACTGACTCACGTTCTAAGGGGGGCGGGGCGGGGGAGGGCAGGCTGGAGGA
GAGAGTTTGGGGGACCAAAACAAGCACGGGCCAGGGCTGGCAGGATGCCTGCGAAAACGGCGGGGT
GCACACCGAGCTGGGGCCAGATCG

09876543210

>'991115a2-068.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-068.scf"(83>551)

GCACGAGGGTTTTTTTTTTTTTTTTTTCATTTTGTTCATATATTAATAAGCAACATAGTACAAATG
CTGTAGTTATTAATAAGGACTCAAATTTTACAAGGAATTAATTTTATAACAAGTTCTACAATGAAA
GGGAAACAGCATCTTGATACATAAAAGTGTGTTAAACAAGATTTAAAAATTTTAAATCAGAAAATG
TTTLAGACTAAATTCTTTCAAACAAAAACAAAAAGCAACCTGTACAATCTCCATAATAAAATGGGTCC
CTGTACACTTGGCCTGGATACAATGTTAAAAATTTCAAAGTTTGAGTCAGAGAGGCAGGACTTTAAAA
AGACATTTTATAGTAAACATTTTACCATTATCCAACATATGCATTTATTTTGTTCAGAAAAGGGG
ATTATATTAACACTGTTTTTACTGTAAAAAACTTTAGGAAATTTACTTCCCGAG

>'991115a2-095.scf' came from CONTIG 45 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-095.scf"(83>123)

GCACGAGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTGCA

>'991115a2-070.scf' came from CONTIG 46 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-070.scf"(84>573)

GCACGAGGGGAGGCCAGGCCTGCTGGACTTGGGAGTTCCAGTGTTCCCTAGCGCCTGCGTTGGG
GGCGGGCTTAAAGACATTGTAATTAGTTGTCGACATGTTGCGCTTGGTGAGCTGGAACATCAATGGGA
TACGGAGCCCTTGCAAGGGGTGAGATGCGAGGAGCCCAGCAGCTGCAGCGCCATGGCTATGGGGCG
CATTTTGGACAAGCTGGATGCAGACATCGTCTGTCTTCAGGAGACCAAAGTGACCAGGGATGTGCTGA
CAGAGCCCCTGGCTATCATTGAGGGCTACAACCTCTATTTCAGCTTCAGCCGTAACCGCAGTGGCTATT
CTGGTGTAGCCACTTTTGTAAAGGACAGTGCTACCCAGTGGCTGCTGAAGAAGCCTGAGTGGCCTGC
TTTCCATCATATGGGGAGGGGTGTTATGGAAAATGAAGACTTACCAAGAGAAGCTTGAGCTTGATAGG
AGGGCGGCCCTCTA

>'991115a2-071.scf' came from CONTIG 47 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-071.scf"(77>427)

CGGGCTACAGGCTCGAGGATGGCGAGTGACAGATGTGGACGAGTGAGCTGGGCACGCACAACCTG
CCAGCGGGCGCGCTGTGCCACAACACCAAGGGCTCCTTTTACTGCCAGGCTCGGCAGCGCTGCCTGGA
AGGCTTCCTGCAGGACCCGAGGGCAACTGCGTGACATCAATGAGTGACATCTCTCTCCGAGCCGT
GTCGGCCCGGCTTCAGCTGCATCAACACGGTGGGCTCCTACACGTGCCAGCGGAATCCGGGGATCTGT
GGGCGCGGCTACCACGCCAGCCAGGACGGGACCAAGTGTGTGGACGTGAACGAGTGGAGACGGGTGT
GCACCGCTGNCGC

>'991115a2-072.scf' came from CONTIG 48 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-072.scf"(84>559)

GCACGAGGGAGTGTCTTTATCGCTGTGGAATCTCCATGCAGGTTCTCGGGGTGCCGGGCGAGTCTATTT
CCGGGCCCCGCGCTCGGCCCGGGCCGGCGACCTGTTCCAGCCTCTGCCCGGGGTCTGCGGGGCGGGAA
CGCCATGCCGTGGGCTCTATTCCGAGGCCGAATCTGGTAGCCCAAAGATCAAGAAACCTACTTTTATG
GATGAGGAAGTCCCAAGCATACTCATCAAGATGACAGGCTTGGATTTACTGAAGATTTTATGCCAGC
AGTACAAGAAACGAAACCACTACAAGCTATGACCCAGCACAGTGGAAAGAAGCTACAGACAGC
GATTGAGCAGCTAAGTNAGATTAAAAATGCACCAAGTTGGAAGACGACACCATAATGATGTGTAGTG
AGATAGATTTGGAGGACCGAACAGCAAATGTGTTATGATATATGACGATACAATGGAGGTTTATGTGG
A

>'991115a2-074.scf' came from CONTIG 49 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-074.scf"(83>452)

GCACGAGGGCCATCTTTGCATTGTTCCCGTCTCCGGCTTCCCTGATCGCCGACGCCACCTCCGCCGCGC
GCCATCTCCGCCGCCGCGGGCTCCGGCAGCTTTACCGCCAGAGTCTCGAACTCCCGCTTTTCTTCTCA
GTCCTTTGCATCGGATCACCGGAGTGCCCCATCATGTCAGACGCGGCCGTGGACACCAGCTCCGAGAT
CACCACCAAGGACTTAAAGGAGAAGAAGGAAAGTGTGGAGGAGGCGGAGAATGGGAGAGAGGCACC
TGCAAATGGGAATGCTAATGAGGAAAATGGGGAGCAGGAGGCAGACAATGAGGTAGACGAAGAAAA
AGAGAAGTGGTGAGTAGAGAGAGAGGATAAAG

AGCTTATTACATGCCGCGNGAAACCCAGCACCGCTAGCAGGGATCCCTCTCTCGCTCGGGCCCATAAAC
GGGGGGGCGCTTCTATGATTTACAGCATTGGTCTTCTAGCCCTCTCTCTAAAGGCCTTTTTCTCTAATA
GAAATTGAGACTAGGTAATAGCTT

5 >'991115a2-082.scf' came from CONTIG 56 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
082.scf"(82>671)
GCACGAGGGATGAGTGCTAAGGGTTGATGCTGGTNGCCCTGGGAGCCCCCGGTAAGCCAGGGCTGT
CCCCTTGGCGCTTCATAGGAATGTCGCTGGTGATTACGAGGTGCAGCGTGTGTCTTCCAGGACCCTAA
AGGGTGACAGAGGGGGATGCCTGGTCCCCAAAGGGTGCTGGATGGGTGGCTCNNCTGGCAAAGATTG
10 GCGTCCGTGGTTCTGGACTGGGTCCCCATTCGGTCCCTCCTGGCGCCCCCGCTGGTGCCCCCTGGTGGA
CAAGGGTGGAAGACTGGTTCCTTAACGGGCCCAACCGGTCCCCACTGGTAGGCTCGTGGTGGCCCCC
GGTTGACCCGTGGTTGAGCCCTGGTCCCCCGGCCCTGGTGGCTTTCGCTTGGCCCCCCTGGTGCT
TGATGGCCAACCCTGGTGCTTAAAGGCGAACCTGGTGATGCTGGTGCTAAAAGAGACGCTTGTCCCCC
CCGGCCCTGCTGGGCCCCGCTTGACCCCCCGCCCCATTGTAAAGTTGGTGCTCCGGACCAAAGGGCTT
15 GTGGCAGCGCTGTCCCCCTGTGCTTATGTTTTCCAGGGCTGTTGA

>'991115a2-086.scf' came from CONTIG 57 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
086.scf"(76>860)
TATCGTACGGACAGAGGGTTTATATCACCTTATTCATATCCCCCTCTTTGGGCTGTGGTTGATGCAGTA
20 TCATGGATGGGGGATGGACGCCCCAAGGTTCAATTGCCCGGTGCATCTTACCTTGGGACAGACTCCG
GAACCAGTTGGGGAGGAAGTGTCGGTCTTTGGAGAAAGCGGAGAGGATGTTGACGTGGTTGCCTCTAT
ATAAAAATGGGGTTATCAACCCAGGTGGGTGGGCCCTTTCAATAATATAAAAAGCTCAATGTGCTACG
GCCGGCATTITTTCCATTACTCCTGTCCCCCCCCAGTCACTCTTGGGCTTGTCTTAGACCTTATGATGTTG
TCCATTTGTTTTCTTGTGCTTGGGAGGCCCAATACTTTTTTTGTCCATTAAATATTCCTAAGGGATC
25 CTCTTGTGGAGGTACGGCTCAAATTGGGTTGGTTGCTCGTGATAAGCAACAAAGGGGCTGAAGGGCCA
ATTTTTCTTTGGAGGGTTGGGGGCTGGTGTTAACACCAAAGAAATTGATTGGGGGGCTTTCTGGTAAC
CCCAACGAGAATAAAAAATGGGGTCCCCCTTCGCACCTTTGTTTTCTTTGGCCCCGCCCAAGACTAAAA
ACAATTTGGCGAGCCACAGGTCACCACCCGGGCCGACCTTCGTTTAGGGGGGGAACACTCCTCCTA
TACTCCCTCATATATTGGTAACACATTTTCTGGGCTCTTGTGTCTTCGCTTGCTTTGTGGGTTTGCGG
30 GGGGGGCCCCCTCCACTTTCTGTCTCA

>'991115a2-087.scf' came from CONTIG 58 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
087.scf"(83>749)
GCACGAGGCTACANTCGGGCCTTGCAAATACCATCCCCCCTNGCCTGGACTCCGCAGCTGACTGTAT
35 ATTCCCCTTGCGCCATGCGGGGACTGGGCTTATAGATACGTCTGGGTCAACGCTGTTACGAGGAGG
GGACGGAGGGACAAACAACCTCCCTGGACCGAAGAAAGCAGAAAGCCTGCGAAGTGAAAAAAGATC
CCACGAGAATGAAGAAGACGCGCTGGAGGCTGGCGGACCATTCTGTGGAAACTGCCTGGCCCCGGG
ACTTCGAGAAGAACTACAACATGTTACATCTTCCCTGTGCACTGGCAGGTCGGGGCAGCTGGATCAG
CACCCCATTGACGGGTACCTGTCTCACACCGAGCTGGCCCCACTGCGCGCCCCCTTATCCCCATGAAA
40 CACTGCACCCACCCGTTTTTGAAGAATGTGACCGGACACGACAGACATCGCCTGGACGAGGGGCCGGCT
GCTGGCATCAAGAAAAGACATGACAGGACCCGGATCAAAACAGCCTCCTCGAAAACAATTTTTTTTTG
ACTCCCTCTGTTCCCAAGTTAAAGTGAGGTTGTGGTTGCTGGGAAGGGTAAATAAAAAAAAATTA
GGGTAAAAAAAATTAACAAACAATTAATAATTAATTAGGTTTTGTCCATAAGGCCG

>'991115a2-091.scf' came from CONTIG 59 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
091.scf"(78>508)
CGCCGGCGTGCCACGTCCAAAGGAAAGTCCAGGAGGAAAAAGGATTTACGAATCTCCTGCATGTCC
AAGCCGCCGGCGCCAGCCCCACGCTCCCCCGGAACCTGGACTCCCGGGCATTTCATCACCATTGGAGA
CAGGAACCTTTGAGGTGGAGGCGGATGACCTGGTGACCATTTTCAGAGCTGGGCCGAGGTGCCTATGGG
50 GTGGTGGAGAAGGTGCGGCATGCCAGAGTGGCACCATCATGGCCGTGAAGCGCATCCGGGCCACCG
TGAACCTCTCAGAGCAGAAGCGCCTGCTCATGGACCTAGATGTCAACATGCGCACGGTGGACTGTTTCT
ACACCGTCACCTTCTATGGGGCCCTCTTTAAAGGGAGACGGGGGGATTTGGATGGAGCTTATGAACCG
TCCTGGACAGTTCTATGGAGGTGCTT

>'991115a2-092.scf' came from CONTIG 60 at offset 0;"E:\SEQUENCE\export\EST_db\991115a2\991115a2-
092.scf"(84>529)

Table 3

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5 GNCCCTTATAAAGTGNNNNNTCCNAATANNNGGGGGTATTACTATTTACAANTNTTCNTCNCTATAACN
GAAGNCGCNATCNCAANCNGGCCCTTANCAATANCTNNTCTTCCNTANCANNCTANATTTCTNTGAN
CCTTAATNCCGTACAANNACTNAATAACNCTCTTGNTACATCCACNNTNNTATNNNANTNTNNTCATT
ACCTCATNTTNTCTCTAANNNGGTTNTTTGAAATCTAGCTAATTCCNNNTANGAGGNAGNCTGAANTTT
NNTNANANNTTAGACATCCGNTNTATANAGAANTNNANNNNTANNCTNNATGANGNNAATNNNACTCN
10 GTTTNNGTNNATTTAACGNTNNTNNTATNCTTGNNNGCCANGATCCATATNNNNCNNTTGNNGNTCC
CCNGNAATTNANNCCGGNNGCNGGTNGAANACNCNGCNAGANATAAGGGGGACANNTNNCTGAGTN
NTCAATNACANGATNCGATANAACCTTACTNCTNATAGTNGNNAGTTANNNGCAGTNATANCNTTACA
ANNAANNNNGGNNNTNNGNNTNNTCTATTANGAGGGGNAGNAATNNNNNAGNCTNAGGANTNACNN
CNNNTNACNTNNATATNANGCTNANNAANNACNCNNGNANGGNCNNANANNGAGTTTTANTTAGTN
15 CANAGGTGNNNNNTTAAANGNNTATNATGNGGATNNGNCGAGNNAATNGNANTNTACGNNNNNTTAG
ATNNGGGGNAAGGATNGNNNANTTGATTCTNAANGGNGGNGAGGCANGNGTNANNNGTCNNGNN
CTTCTNNCNNNNGANGNGGACAGAATNNGNNGTGATAGGGNTTCNNGNTNGNTNAGNNNNGAAN
ANCNNGNNGGNNANANAGTANNTNGNGANGNNTTCGNCNNANNGNGNAANTCNTAANTNGNNGN
ANNANNNNCTNTNNTNNGTANGNGNGAGCANAGANATCAGANGNANGCATNTACNNNCNAGGNG
GNNTGAGANGNANATANANGTTNACNAGNTNNNACNCACCGAGNNTTTNGTANNCATTNACNNNGA
20 ANNTANNTNATNNANTGTNANTGANNCNTAGNGACNGTTAGANTANGANTAGTGNTANGTNANACN
NAGNCNNGAGAGGTGNANAGAGAGATATNNNATGNACNNGTAGAAATNTNTNNTCNCNGGATATGTAT
ACGANCTGCGCGAGACG

25 TTCANCGGCNTTNNNNNGNANNCTNNTNNGGGGGTATTANTANTNCAAANCNACGCGCCTATAG
NGAGTCTNTANTGCANANGTGTTNTNGGANNGAGTTNTNATTTNCTNGCANNNTNCTCTNNTNCTTAT
TGNNAGNGTCNNTTCNNNATAACTNTTCNTNACCTGACGGGCTANTNANAGAAATNGNAANTCGNNNT
NGTGNTNNTATNAGNGCACANANAGGNNTTGNANACGGTNCNNGGCCNACNGGAAGACTGNTCCA
30 TTGTNNGTNTCTAGCGGGANGNNTNNTAGTNTTTTNTGNCNNNAGNNTNANAGNGGGNGACNNCN
GNGGNTCAGCTGGCTGATACTCGCGNANTCNTGNNNNCNCNGATNGANNGTNNNNAATNTCNCAANA
TAANGTCGANTNTCNATAANGAGCGCGNCGNNTNANTGNGCATCTNCGTGNGNCNAAATTCG
GTANGTNTATNTCTANNNNACGNNGTNNNGCCTANANTTCNATACATNANNTGANNNNGCNGA
GGGANCNCGTTTNANGAACTANAAAGNGACGNGTGATTANNGCCNCCNGTGTAATGTCNGAGTNGT
35 NNCNNANNCNNANGANNNGAGNNCCNTTGNNNNANATCNNNTATNTNGNNNNNTTCNNACTGNCGA
TNNTNNTNCTCNGNANNNNANAANTNNATGNNCGNNTGTTATGTNCCNNAGGANNATGNTNAGNNCN
GATGGTNNCNTGGGTGNANTCCGAGNANGATNTCNAANNNGGCTTNGAGNGNNANATCGAACNTANTG
ACNNGACNAGANCCNGNCCNTANNCTCNCNNAACANNTGAANNNNNGNGATGGNCGCNNAGANN
TNNCAANTACNANNAGCTACGANNNCNGGTGTNNACNNTNNGTNNNNCNCNAGCTNATCTNNTCT
40 GNNNGNGNTCGTGACNNNTGANCTNNNCNNAGCNTANCGANTGCNTGTATAATNAGNNNATATNGT
TNTTATNCNATGNCGNGTGCATCATGNANGAGNNNGTCATNNNTNNTNCACTATGTCTACGACTTGA
NANCCNANNTCAGNNCANINCCTATNTCCNNNGANGTCNCCNCGTNNNGTCTCGATGAAGNTCNGA
CGNAACTNNATGTNCCNNTTNCNGTATGACNNCATNGACNTTATCGTGNNANNNGCTNACNNTANA
45 TGACGNNCTTCTNTGNANTNCCGTGCNNGCGCNTCCTGNNNACCGACGTCTANNNACGNCNCANGTA
TNGCATCAGGAGNACANGTTNCNNGTNNNTACNCGTGGTAAGNNNNGTNTCNTNNTCTCNNNTTCN
CN

50 GCCCTATANGGAGNNGTATNNCAGGGGCGGCCGCTCTAGAACTAGTGGATCCCCCGGGCTGCAGGCN
GAGGTCTCCGGCCCTGTNTGCGCANNANGAGGCTGGGANATGGGCCCCAGGTCCCCCTGAGCCAACCT
NCCGAGGANGANCTTANANAGGTNNNACCAAGANGCTGGNGCACNANATGAACCATCNNNCCANTNT
ANNANTNCTTCANCCGCTGCGATNNNTANNNAACNNTANNTNANNGNTTNTNNTATATTTTANCC
CNTANAANNTNNTATNTNTNANNNNTNTAAACNTNGNNTTNNNTAATNNTTNTTTGANANNTTNT
TCTCCCTTNAANNANNNNCGTTNTAAATNANACNTATNNNAGNGAGNNNNAACATNAATNNNTGC
55 NGNNTTTAANNTNTNNTNNAACTTATTGCATAAAATNGNNTTNTATATNANATNTATNCANNAACA
NACNNNATTACNNNTATTTTATTNTNTTATANNNNNANTNANTCTNCNAAATNTNTGTNAAANNTCGAN
TTCAAATTAATTATNTNTNTNTNGNAGCNNATCTANNNGNACNTNTTNTNANTTATGTTGNGANTN

09976143060604

NNNNANANCNCTGTGTACCCCTAACTNNNCNNACACCCNNCCNNCTNNCCTANTCTTCNNTTTCTATN
ACCGAATANNACTTCTNACNNNNCTNTTNACTNACCCNNNNCCNNANANANTTANNACTCTTNAANTNC
NCCAANNANTCACNTNNGNTNANTTTNGCTTTAATATAANNTCGAACNNNNNCCTAAGTNAATTTNTN
NTCTNCTNTTNACCTAGNNTNTANNNAGAAANANANATNATNNTNNTNANTATANANNNTNANNAGA
CTAATATANATNAANCTACCATNNNNNNAAANANANANANNNTTCNNANCTTCNACAAANATATNTG
NNATNNNATCTANCTTATGTNCNNTAAGAANNNNNGNTACNATTNAAGNNTAAATNTCANANGNATC
NAACCNNTNCTNATCGCCATAANAANNCCNNATANNTATACANTAATCTCANTNANTNCGTANANTNNN
NNATATNNANNCNTNNGCNC

GNGCCTNGTGGGNNTTNTNNANNTATATTNANTTGNNNNNNNTNNANNTNCCNCTNCTTNNNTCTTNN
NGNNNCNTTCCCNNTNTTCTTNNNGGNGNNTTTNGNAGNNTTNATNNTTGAGCCNNNNNGATCG
TATTACAGTGGCGGCCGCTCTANAACCTAGTGGATCCCCCGGCTGCAGGCCGCTTCGNATCTGNGGN
CCCCGGTGCAAACATGGCCAAGTCCAAGAACGNACNCCACGCACANNCAGTCCCGAAAATGGCNTAN
AAACGGCATCAATANACCCCGATCACAATGATATGAATCTNTTAAGGGGGGTANACTCCANGTTCCTGA
GGAACATGCGCTTTGCCAAGAAGCACAACATAGAAGGNGCCTNNAANANGATGCNCGCNNNCCAATG
NCAAGGCCATGAGTTGCACCGTGCTGANGCTGTCAANGCCCTCCTCAAACCCAAGGANATCANNCCCA
AGATGCCAACAGGTGGNAANTCGTAAGCTCAACCNACTTGCTTACATTCTTACCCCAAGCNGGNNA
NCGCGCTCGTTGCTTCGNATCTGCCAAAGGGGCCTTNATGGCTCNTGNCCGGGTCCAAAAAGATNCGT
AGGGTCAANGGTCTTTNNAACCCATTGGNCCAANGCCACCTTGCGCNNNCTTGCCCTNNTTNACAACTT
GGCCAAAGGGGTGGTGNNTGCGCCNCCAANCCAAAAAGGTTNCCCGGNGANGNTAANAGNAACA
CTTTTATTNTTGCCCAANGTTGTGNGATNGACCAGNAAANNNGNAACNTTGGGNNGTAGGAACCCCCC
TTGGNGCCCTNGCNTTGNNCCTGCGGATNGGGNGNNTGANTGNTNACCNCNCTTGGTGGCCTANT
TATTGNCGNCCAAAAATTNANATATCTCGCGGCACCTGGGGTNCNTNNTNNGNNTTCTNTTACAAGT
ANNTNCCCCTTTTGCNNAGGTGGGGGGGGTGNCCGCGTATANACCCTTNTNTTCTCGTCCCTTCTTT
ATATTGTGANGNCTGGNTNATANTTCTCAATACNTGNACNTCTNCTNTCTTGGNCTTGCNTNGGANTTC
NTNNNACANTAANTCTNCCNANNTAGTATTTTNCNAAAGAGTTACTCGATACTTACACCCNTNGAAA
GNTNNCNGGATTTANTGCNTTCTTNTCTTTTNNNTNTCTCANNTACGTGNNGTANTCTTNTNTCNGT
TGTCNCTCTCCNCTCNCNNGNNTTCTATGTANNNNNNNNTNGTTNTTACGNTATNNTCTCATNACGTNAC
NTCTCTCNGNTATGCTNTNGCTNNATCTTATGNTCTCTTCTCTCNTCCTNNTNNTNATGTNATTGTATAT
NTCCGATATCCNTACNNTGGCTCGCC

GNGCCTNGTGGGNNTTNTNNANNTATATTNANTTGNNNNNNNTNNANNTNCCNCTNCTTNNNTCTTNN
NGNNNCNTTCCCNNTNTTCTTNNNGGNGNNTTTNGNAGNNTTNATNNTTGAGCCNNNNNGATCG
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Région de la capitale		Région de la capitale	
Population	Densité	Population	Densité
1 000 000	100	1 000 000	100
2 000 000	200	2 000 000	200
3 000 000	300	3 000 000	300
4 000 000	400	4 000 000	400
5 000 000	500	5 000 000	500
6 000 000	600	6 000 000	600
7 000 000	700	7 000 000	700
8 000 000	800	8 000 000	800
9 000 000	900	9 000 000	900
10 000 000	1 000	10 000 000	1 000
11 000 000	1 100	11 000 000	1 100
12 000 000	1 200	12 000 000	1 200
13 000 000	1 300	13 000 000	1 300
14 000 000	1 400	14 000 000	1 400
15 000 000	1 500	15 000 000	1 500
16 000 000	1 600	16 000 000	1 600
17 000 000	1 700	17 000 000	1 700
18 000 000	1 800	18 000 000	1 800
19 000 000	1 900	19 000 000	1 900
20 000 000	2 000	20 000 000	2 000
21 000 000	2 100	21 000 000	2 100
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26 000 000	2 600	26 000 000	2 600
27 000 000	2 700	27 000 000	2 700
28 000 000	2 800	28 000 000	2 800
29 000 000	2 900	29 000 000	2 900
30 000 000	3 000	30 000 000	3 000
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33 000 000	3 300	33 000 000	3 300
34 000 000	3 400	34 000 000	3 400
35 000 000	3 500	35 000 000	3 500
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37 000 000	3 700	37 000 000	3 700
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TopHat 2.4.5

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5' to 3' direction

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5' 10' 15' 20' 25' 30' 35' 40' 45' 50' 55'

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